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<210> 478

<211> 1237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1236)

<223> n equals a,t,g, or c

<400> 478

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<210> 479

<211> 1098

<212> DNA

<213> Homo sapiens

<400> 479

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<210> 480

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 480

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<210> 481

<211> 2995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1760)

<223> n equals a,t,g, or c

<400> 481

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<210> 482
<211> 1248
<212> DNA
<213> Homo sapiens

<400> 482
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<210> 483
<211> 1862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 483
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aa 1862

<210> 484

<211> 1664

<212> DNA

<213> Homo sapiens

<400> 484

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agtcaattac tggaagcgga tatatttcct atgcaaaaac tgtttaaaca ataaaatgag 1620
ctatgctaca gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1664
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<210> 485

<211> 969

<212> DNA

<213> Homo sapiens

<400> 485

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<210> 486

<211> 2572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<400> 486

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```

<210> 487

<211> 1451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 487

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ccagactgca gcctggccca tggctgtttt cccaaggatc agttcctgga ggggaagggt 180
ctggccctga ctccgctgtg tcccagacac acgtgctgac cgcagcccgc cgcctgtag 240
ttcttggtg ggtctggagg tgtctgtgga gcacctgccc ctcaccacag gagcgtgagc 300
cacttctgca gtccacgctg aacatgggaa acaacctgaa aagcaggcag gcctcccgtg 360
cagggagcct ctgctgtgct ggcttcccat gaccacctcc tctgctgaa atattactgc 420

```

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ctcggcttgg gacagggtag tgtaactccc gatcccaggg cctagccctg acacaggtgg 600
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aaaaaaaaa a 1451
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<210> 488

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 488

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tccagtgcag gggcgtagtg ggatatggcc aactcgggct gcaaggacgt cacgggtcca 180
gatgaggaga gttttctgta ctttgcctac ggcagcaacc tgctgacaga gaggatccac 240
ctccgaaaac cctcggcggc gttcttctgt gtggcccgcc tgcangcaag aagggtttaa 300
aagtggaaatg tatgttgtaa tagaagttaa agttgcaact caagaaggaa aagaaataac 360
ctgtcgaagt tatctgatga caaattacga aagtsctccc ccatccccac agtataaaaa 420
gattatttgc atgggtgcaa aagaaaatgg tttgccgctg gagtatcaag agaagttaa 480
agcaatagaa ccaaataact atacaggaaa ggtotcagaa gaaattgaag acatcatcaa 540
aaagggggaa acacaaactc tttagaacat aacagaatat atctaagggt attctatgtg 600
ctaataataa atatttttaa cacttgagaa cagggatctg ggggatctcc acgtttgatc 660
cattttcagc agtgctctga aggagtatct tacttgggtg attccttgtt tttagactat 720
aaaaagaaac tgggtaggga gttagacaat ttaaaagggg tgtatgaggg cctgaaatat 780
gtgacaaaatg aatgtgagta ccccttctgt gaacactgaa agctattctc ttgaattgat 840
cttaagtgtc tccttgctct ggtaaaagat agattttaga ctactttagt gatggtgctg 900
gtgaattgct ctgctctgtc tgagattttt aaaaatcagc ttaatgagag taatctgcag 960
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cgtattttgtg gtttaaaaaa aagagcaact tcctttgcac tgtataccct tttgtattat 1080
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```

<210> 489
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 489
tgcctggcac acacgtttct ntccccact tcctttgggg gtgtgcttca ctgcgggctcg 60
ctaacaggat gtctagtgtt cagtgggtgt cacaagattc agtctgcaga gccgacttcc 120
tcagcctcct gaagacactg aacaccgcag tgttttccag tcagcaacgc aacaaaatca 180
gtttaagtga taatgacaat aacaaacaat ccatagcatc cacagcattc actgcttact 240
gnaaaaactta ctatgtccca ggcacaagca ctgactttaa tcttg 285

<210> 490
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 490
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gnngactcca aagggacggn ccgcgggtgt cagcgagctg cgctcagggg accttgccgc 120
cggcccttct gctgcacaca gccacccag gacctccgc agcgtgaca ggcggggcgg 180
gtgcaaagac ggggcggggg ctctgcgccc ggccccctcc cctgactatc aaagcagcgg 240
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gaaagtccag tctctcctcg gcttgcaatg gaccccaact gctcctgcgc cgctgggtgtc 360
tcctgcacct gcgctgggtc ctgcaagtgc aaagagtgc aatgcacctc ctgcaagaag 420
agctgctgct cctgctgccc cgtgggctgt agcaagtgtg cccagggtcg tgtttgcaaa 480

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ggggcgctcag agaagtgcag ctgctgcgac tgatgccagg acaacctttc tcccagatgt 540
aaacagagag acatgtacaa acctggattt tttttttata ccaccttgac ccatttgcta 600
cattcctttt cctgtgaaat atgtgagtga taattaaaca ctttagacct gaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aa 682
```

<210> 491

<211> 1859

<212> DNA

<213> Homo sapiens

<400> 491

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agggaaaaaaaa gatctggcgg atgaaaataa ccagaatgaa aatagctaga aaactcagca 60
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aaaaaatgaa agacgctctg tttaaaacaa tgatgacagc agtacttaat atgtatttcg 180
aggtgaactt atatagattg agagaggctg catttggcag actgatgtat aggaagacc 240
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gactggccat tctagtgaac aggtggtaaa cctttgggct gccagaaac attttatctg 360
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tcttcatttt ctccccaac cttctcctcc tgggaaacac aaatgctatc tcatctgaca 480
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gactttttgc taaaatctca agaatgctgc tttgagttta gctagggtgg ctctcagaac 600
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```

<210> 492

<211> 2709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2160)

<223> n equals a,t,g, or c

<400> 492

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gatgagttca ttgagagtat ttcccttctg ccggaacctg agaagaccct gcacactgaa 180
gatacagatc accagcacac tgcaagccat ggggaggaag aagccctaaa agaagatccc 240
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cckktgtgaa ccaggwagac agcgttcca gcaaccgtt tgcaactccc aactctgtca 660
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2709

<210> 493

<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1307)
<223> n equals a,t,g, or c

<400> 493
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acttgtttga ctgtctcctg gttgcaggag gaccagtatg atcatttgga tgctgctgac 120
atgacaaagg tagaaaaaag cacaaatgaa gcaatggagt ggatgaataa caagctaaat 180
ctgcagaaca agcagagttt gaccatggat ccagttgtca agtcaaaaga gattgaagct 240
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tcaattcgca c 1451

<210> 494
<211> 1268
<212> DNA
<213> Homo sapiens

<400> 494
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ttgcagaatg gcctggtgag ttgggcagag gttggatgga cagaaacaaa cacacagaga 120
gtgaagtcca aggacgttg tcttctttct ccctttgtag agtgaggatg aagctctgca 180
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tactaatacc caccttgtag tgttgctatg aagattgaga taatcctcag cagtgtctcag 480
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atgctgcagt ggaagggagg aagaagtcag ggatgggggt tcttcctagt ggtgcagagt 720
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atcatgtcat cttcccttatg ctggagctgc cccgatgtgg agtgggcagg aaggggcctg 1200
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ggggggggg                                     1268
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<210> 495

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 495

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<210> 496

<211> 975

<212> DNA

<213> Homo sapiens

<400> 496

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<210> 497

<211> 2075

<212> DNA

<213> Homo sapiens

<400> 497

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2075

<210> 498

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 498

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<210> 499

<211> 2871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1642)

<223> n equals a,t,g, or c

<400> 499

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<210> 500

<211> 1624

<212> DNA

<213> Homo sapiens

<400> 500

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aaaa 1624

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<210> 501

<211> 848

<212> DNA

<213> Homo sapiens

<400> 501

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<210> 502

<211> 3192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3085)

<223> n equals a,t,g, or c

<400> 502

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agttgtggag ggaagtgtg ctagatttga ctgcaagatt gaaggatacc cagaccccgga 2880
ggttgtctgg ttcaaagatg accagtcaat caggaggtcc cgccacttcc agatagacta 2940
cgatgaggac gggaactgct ctttaattat tagtgatgtt tgcggggatg acgatgccaa 3000
gtacacctgc aaggctgtca acagtcttgg agaagccacc tgcacagcag agctcattgt 3060
ggaaacgatg gaggaaggtg aaggngaagg ggaagaggaa gaagagtga acaaagccag 3120
agaaaagcag tttctaagtc atatttaaaag gactatttct ctaaaactca aaaaaaaaaa 3180
aaaaggcgg cc 3192

```

<210> 503

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<400> 503

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tttggcgct ctctgccggg cctatccggc tccatccaac ctctgaccgt ctcgcggggg 60
ccgcagttcg tccccgggc tacggcggt tgctcccgac cctgcaggcg gctggatgtt 120
ggggcgagsg gcaagatggc agaagtagag cagaagaaga agcggacctt ccgcaagttc 180
acctaccgag gcgtggacct cgaccagctg ctggacatgt cctacgagca gctgatgcag 240
ctgtacagtg cgcgccaggc ggcggctgaa ccggggcctg cggcggaagc agcactccct 300

```

```

gctgaagcgc ctgcgcaagg ccaagaagga ggcgcgcgcc atggagaagc cggaagtggc 360
gaagacgcac ctgcgggaca tgatcatcct acccgagatg gtgggcagca tgggtggcgt 420
ctacaacggc aagaccttca accaggtgga gatcaagccc gagatgatcg gccactacct 480
gggcgagttc tccatcacct acaagcccgt aaagcatggc cggcccggca tcggggccac 540
ccactcctcc cgcttcatcc ctctcaagta atggctcagc taataaaggc gcacatgact 600
ccaaaaaaaa aaaaaaaaaa angggnsagg ccggtcttaa aggatccnaa gcywacktac 660
setgctgcaa ctctactctc tcc                                     683

```

<210> 504

<211> 2196

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2196)

<223> n equals a,t,g, or c

<400> 504

```

tcgaccacag cgtccggnag ttaacctttt gcctaaactt ggagagctca tacatactat 60
gtgttagggg tacagaagct tttcctcata gggcatgagc tctccaagag ttaacctttt 120
gcctaaactt ggggtttctg tggttcataa agttgggata trtwtttttt ttcaaatgga 180
agaaaatccg tatttgcaa gaagactcca ggggatgata ctgtccttgc cacttacagt 240
ccaaagattt tccccaaaga atagacattt tttcctctca tcacttctag atgcaaaatc 300
ttttattttt ttcttttctc acacacaccc cagaccctta acgttaagcc agcttccatc 360
tccccattcc acacgatctt gagtagcaca cgttatgkic gkttcctccg aagaktgttg 420
tattwggggtc tgaragscag aggggctkgy aaagacttgt tatagtccgt ktgggaatga 480
gagaagtogg tgcagawtag taaacgggag tctgtttccc acaggtcccc ttcccctgag 540
cccctctaca atagcgaggg gaagcggctt aacacccgag agttccgcac ccgcaaaaag 600
ctggaagagg agcggcacia cctcatcaca gagatgggtg cactcaatcc ggatttcaag 660
ccacctgcag attacaaacc tccagcaaca cgtgtgagtg ataaagtcac gattccacaa 720
gatgagtacc cagaaatcaa ctttgtgggg ctgctcatcg ggcccagagg gaacaccctg 780
aagaacatag agaaggagtg caatgccaaag attatgatcc gggggaaagg gtctgtgaaa 840
gaagggaagg ttgggcgcaa agatggccag atgttgccag gagaagatga gccacttcat 900
gccctgggta ctgccaatc aatggagaac gtcaaaaagg cagtggaaac gataagaaac 960
atcctgaagc agggatatga gactccagag gaccagaatg atctacggaa gatgcagctt 1020

```



```
cgggagttgg ctcgcttaaa tgggaccctt cggaagacg ataacaggat cttagaccc 1080
tggcagagct cagagaccg cagcattacc aacaccacag tgtgtaccaa gtgtggagg 1140
gctggccaca ttgcttcaga ctgtaaattc caaaggcctg gtgatcctca gtcagctcag 1200
gataaagcac ggatggataa agaataattt tccctcatgg ctgaactggg tgaagcacct 1260
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cgcccacct ggatgaattc tggcccttca gagagtggc cctaccacg catgcatgga 1440
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acaggtgggc atggtggaca tcccatgcag cacaacccca atggacccc accccttgg 1560
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cagcagcctc cgccamcccc tccgcccagc agcagtatgg cttccagtac ccccttgcca 1860
tggcagcaaa atacgacgac taccaccacg agcgtggcw cagggtccat ccgcccattg 1920
caacagcagc agggcgctgc cgcagcttct ccaggagccc ctcatatgca aggcaacccc 1980
actmtgggcm ccatggccct cctccaatgg atcagtacct gggaagtacg cctgtgggct 2040
ctggggtcta tgcctgcat caaggaaaag gtatgatgcc gccaccacct atgggcatga 2100
tgtngccgcc gccgcgcct tccagtgagg ggccgggga aatgtgcntg gaaggcttga 2160
ttcagcgggg ccgggggttg gcggcgccg ggccgn 2196
```

<210> 505

<211> 949

<212> DNA

<213> Homo sapiens

<400> 505

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cccaccccca cgcctccgc ctaccacgc atccccctc atcctcctcc agggttgggc 60
ctgccgccag ccagctaccc acctcctgcc gtccccctg gaggacagcc tcctgtgcc 120
ccgcccattc cccacccgg catgcctcca gttggggggc tggggcgggc agcctggcat 180
gagataacgt gagccttttt tccctctttg tttttttaac aagattttct aatcgacttg 240
cagagtagtt gaagtgggta agcagcaggg taccttgat aatgcacgac agttgcagta 300
tgggaagaat ggaccgggccc cctgggataa aatcagagt gtcctcacac cttagggacg 360
gggacaacca gctttcagag tagcctcatc agtgcccttg cagtctgact gtgtacactt 420
ggttcagcta atgtctgaga gtctgcact gggttacttt atactagtga ggacgttaac 480
cagccatatt ggctcaataa atagcttcgg taaggagtta atttccttct agaaatcagt 540
gcctattttt cctggaaact caatttttaa tagtccaatt ccatctgaag ccaagctggt 600
gtcattttca ttccgtgaca ttctctccca tgacacccag aaggggcaga agaaccacat 660
ttttcattta tagatgtttg catcctttgt attaaaatta ttttgaaggg gttgcctcat 720
tggatggcct ttttttttcc ctccaggag aaggggagaa atgtacttgg aaattaatgt 780
atgtttacat ctctttgcaa attcctgtac atagagatat attttttaag tgtgaatgta 840
acaacatact gtgaattcca tcttggttac aaatgagact ccttcagtca gttatccaaa 900
taaaagcagt tctgaaacta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 949
```

<210> 506

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 506

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cagccgccc agactttctg gcaggcgtg caactgtgtt acttcatcca gttgattttg 60
cagatcgaat ctaacggtca ctcagtatcg ttgggtcgta tggaccagta tctctacccg 120
tactatcgcc gcgacgttga actcaaccag acgctggatc gcgaacacgc catcgagatg 180
tgcatagctg ctggctgaaa ctgctggaag tgaacaagat ccgytccggc tcacactcaa 240
aagcctctgc gggaagtccg ccatgttctt cgagatatc ggtaccaat tcgccctata 300
gtgagtcgta ttacaattca ctggccgtcg ttttacaac tcgtgactgg gaaaacgann 360
nagga 365
```

<210> 507

<211> 2059

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<400> 507

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gtggtnangc tccagaanta gtggatccgg aggctgcaga atggcccag agggccgagg 60
cgtagtgtgg gtgactcctc cgttccttgg gtcccgtcgt ctgtgatact gcagygcagc 120
catggcagaa ccgcagcccc cgtccggcgg cctcacggac gaggcgccc tcagttgctg 180
ctccgacgcg gaccccagta ccaaggattt tctattgcag cagaccatgc tacgagtga 240
ggatcctaag aagtcaactgg atttttatac tagagttctt ggaatgacgc taatccaaaa 300
atgtgatttt cccattatga agttttcact ctacttcttg gcttatgagg ataaaaatga 360
catccctaaa gaaaaagatg aaaaaatagc ctgggcgctc tccagaaaag ctacacttga 420
gctgacacac aattggggca ctgaagatga tgmgaaccag agttaccaca atggcaattc 480
```

```

agaccctcga ggattcggtc atattggaat tgctgttcct gatgtataca gtgcttgtaa 540
aaggtttgaa gaactgggag tcaaatttgt gaagaaacct gatgatggta aaatgaaagg 600
cctggcattt attcaagatc ctgatggcta ctggattgaa attttgaatc ctaacaaaat 660
ggcaacctta atgtagtgtc gtgagaattc tcctttgaga tttcagaaga aaggaaacaa 720
tgtgattcaa gatatttaca taccagaagc atctaggact gatggatcac tgtcccgatt 780
caaattatcc ttcagtccat ttcccttcc tatttcagct gtcccttttc acctaaactgt 840
tcagtcattc tggttttcaa gcagtgcttt atctcatgtc cttgaatata gttgtgtaac 900
tttatttttt aggtataaat tagaacagtt cccttcagag gctgcatttg ccttcttctg 960
ccacctaaat attacttccc ttcaaactct cctttgaatc atcattttta aaaaaaaatt 1020
aacatgtttt tgtttagtgt atcttctggg gtttcaattc ctccagaaaca acttttttca 1080
caacggaaag gaaagaacac tagtggtcct tcagtaaagt acaaagtgtt tattttacaa 1140
aagagtaggt actcttgaga gcaattcaaa tcatgctgac aaggatactg atagaaaaag 1200
tgatttcttc ttattataaa gtacatttaa agttcaagga ctaaccttat ttatttgga 1260
aaggggagga ggaaggaaat gatatggtac ccagacactg ggctaggctg caactttatc 1320
tcatttaata ctcccagctg tcatgtgaga aagaaagcag gctaggcatg tgaaatcact 1380
ttcatggatt attaattgat ttaagagggc atcaatcagc tcaactcaag atttcataat 1440
catttttagt atttagattg tgcctcaaag ttgtagtacc tcacaatacc tccactgggt 1500
tcctgttgta aaaaccttca gtgagtttga ccattgtgct cttggctctt gggctggagt 1560
accgtgggtg gggagtaaac actagaagtc tttagtacaa aactgctcta gggacacctg 1620
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atcagctcag tggcttccc cgccatgatt cacatttgat gagtttttaa aaatcaaagt 1800
gattttgaaa atctctaag gctcagaaaa taaaacatc cagtttgtgg atgactatat 1860
ttagatttct ctagactcta gtggaagacc tttggaaagg ccattgccaac cgtgcttgta 1920
ctgctagaag cactttatgt ttcccttttg ggtgaaatgg atttatgtga gtgctttaa 1980
caaatagcaa tacitataga ctgaaataaa atgaaacttc aaataaaaaa aaaaaaaaaa 2040
aactcgagac tagttctcc 2059

```

<210> 508

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (726)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 508

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tttgaggagc gctacacctt cgagatcccc ttcttgaggg ccagaggag gaccctgctc 60
ctgaccgtgg tggattttga taagttctcc cgccactgtg tcattgggaa agtttctgtg 120
cctttgtgtg aagttgacct ggtcaagggc gggcactggg ggaaggcgct gattcccagt 180
tctcagaatg aagtggagct gggggagctg cttctgtcac tgaattatct cccaagtgtc 240
ggcagactga atgttgatgt cattcgagcc aagcaacttc ttcagacaga tgtgagccaa 300
ggttcagacc cctttgtgaa aatccagctg gtgcatggac tcaaacttgt gaaaaccaag 360
aagacgtcct tcttaagggg cacaattgat cctttctaca atgaatcctt cagcttcaaa 420

```

gttccccaag aagaactgga aaatgccagc ctagtgttta cagttttcgg ccacaacatg 480
aagagcagca atgacttcat cgggaggatc gtcattggcc agtactcttc aggcccctct 540
gagaccaacc actggaggcg catgctcaac acgcaccgca cagccgtgga gcagtggcat 600
agcctgaggt cccgagctga gtgtgaccgc gtgtctcctg cctccctgga ggtgacctga 660
gggctgcagg gaaggcagct ttcatttggt taaaaaaaaa aaaaaaaaaa gacggaaaaa 720
aatgtntcac atactattac atccacacct gcatacacac tcgcaacatg tntacacacg 780
tccacacaca cagacacaca gataccccaa atcctctcag aactgagagg aagctgacta 840
ttgatcacia aatggccgcc ctacgtgagt gaggcctagg aactttccag aagccccatc 900
catagatcac aagctcagtg ggctctgccg tgggacttat tggcagtgcc tgcycctgtc 960
aatactcctg ccccaaaatg cactttcaac cctcaggcca gagaaaggac ctcccaaagg 1020
gtgccaaagt ccatcaagac taaatttacc aagagtttgg ccagtgtgtg ggagacttga 1080
acacccccca cttccgaaac acacacctac tgggtaactt ctgaacaggc tgctgttccc 1140
tggggttctt caaacctgat acctttctcc aaagggtgta gtatctttgt cttctccgta 1200
gtaaatgtga taactagatt atgggccatt tggagaaacc aaatggcaac caaaactatt 1260
ccagtgtcag aagcctttcc tggcttaaca gaattgttct tgtgttagct catcccaggg 1320
aacgccctgt gggatatg 1337

<210> 509

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (720)

<223> n equals a,t,g, or c

<400> 509

aagggtgttcn ccttgtagt taacaagtaa agnagatcat tgttaattac tattttgtat 60
gaatttttgct aaagttaact gtaaagaaac acctgctgac ttgcagttta aggggaatct 120
attctcccca tttccaaacc atgatatgaa tgggcgctga catgtggaga gaatagataa 180
tttgtgtgtt tgcaatgtgt gttttagata aataggattg ggtattttaaa ttagcatttg 240
tgaattttaat agcattaaga ttacctcaa atgaaaaaaaa atctcaaaat ttctattttg 300
tttttgtgca ttttctttta aaatgtaatc atatgatatt agtgtgttag acttgctgag 360
tcctagctgt gtttagaaca tctctattct acatttacct tgggtcaaatt tgaactgctg 420
ccataggttt tgggtgtaaa gaatgtttac tgccctccat ttaaattctg aaaagggatg 480
gtggatgttt tccctctcct acgttagaaa ccattcttaa aaacttttga aaatatagaa 540
ccattaagcc tgctatatct gagcaaatat atgggtacct tttttttctt atttaaagca 600
caagaggccc ataaatcttg agttacttta aattcttttt tttgatacaa gttttcagag 660
caagagaata aaaatcatgt gttattaaac ccctaaaaaa aaaaaaaaaa acccgggggg 720
cttcttgggg g 731

<210> 510
<211> 944
<212> DNA
<213> Homo sapiens

<400> 510
gagcaccccc tgctggcccc tccctccagt ctggctgggg tgtggtgaga tgtgcttggtg 60
tgtccagggtc cctgagcgtg acagcgtctc ctcagtgtcc agtgctacgt cgagcagcag 120
ctctgcacac agcgtggact cggaggacat gtacgcagac ytggctagcc ccgtgtcctc 180
agccagctct cggtccccgg cccagccca gaccaggaag gagaaaggaa aatctaagaa 240
agaagacggt gttaaagagg aaaagcggaa aagggattcg tccacacaac cacccaaatac 300
tgcaaaacct ccagcagggg ggaagtcctc ccagcagccc tcgacacccc agcaggcacc 360
ccccgggcag cccagcagg gcacatttgt ggcccacaag gagatcaagt tgacactggt 420
gaataaggcg gctgataaag gaagcaggaa gcgctatgaa ccatcagaca aggacaggca 480
gagccctcct ccagccaagc ggcccaacac atccccagac cgaggttctc gggaccggaa 540
gtcaggtkgg agactgggct cccgaagcc agagcggcag agaggccaga actccaaagc 600
ccctgcagcc ccggctgaca ggaagcgcca gctgtcacc cagtccaaga gctccagcaa 660
ggtcacgagc gtgcccggca aagcctcgga tcccggcgcc gccagcacca aatcagggaa 720
ggccagcacg ctgtctcgcc gggaggagct gctgaaacag ctgaaggccg tggaggatgc 780
tattgcacgc aagcggggcca agatccccgg gaaagcatag gccgtgcccc gaccggactg 840
gacgcatttt tatacatagg gtaagcgag ccattttgga ttttgcagtt aatgtcttat 900
tttggctgtg attcttttta aaaagtaaaa aagaaaaaaa agtt 944

<210> 511
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<400> 511
ggtcattggcg gcctgcaggt actgctgctc gtgcctccgg ctccggcccc tgagcgatgg 60
tcctttcctt ctgccacggc gggatcgggc actcaccag ttgcaagtgc gagcactatg 120
gagtagcgca gggctctcag ctgtggccgt ggacttaggc aacaggaaat tagaaatatac 180
ttctggaaaag ctggccagat ttgcagatgg ctctgctgta gtacagtcag gtgacactgc 240
agtaaatggtc acagcgggtc gtaaaacaaa accttcccc tcccagttta tgcctttggt 300
ggttgactac agacaaaaag ctgctgcagc aggtagaatt cccacaaaact atctgagaag 360
agagrttggt acttctgata aagaaattct aacaagtcga ataataagatc gttcaattag 420
accgctyttt cmagctggct acttctatna tacacagggt ctgtgtaatc tgtagcagat 480
agatggtgta aattgagcct gatgtcctag gaattaa 517

<210> 512
<211> 3651
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3650)
<223> n equals a,t,g, or c

<400> 512
g c g g a c t g c g t c t t c g t g g a g g a c g t g g c g t g g t g t g c g a g g a g a c g g c c c t c a t c a c c 60
c g a c c c g g g g c g c c g a g c c g g a g g a a g g a g g t g a c a t g a t g a a a g a g c a t t a g a a a a 120
c t t c a g c t c a a t a t a g t a g a g a t g a a a t g c a a c t t t a g a t g g c g g a g a t g t t 180
t t a t t c a c a g g c a g a g a a t t t t t g t g g g c c t t t c a a a a g g a c a a t c a a c g a g g t g c t 240
g a a a t c t t g g c t g a t a c t t t t a a g g a c t a t g c a g t c t c c a c a g t g c c a g t g g c a g a t g g g 300
t t g c a t t t g a a g a g t t t c t g c a g c a t g g c t g g g c c t a a c c t g a t c g c a a t t g g g t c t a g t 360
g a a t c t g c a c a g a a g g c c c t t a a g a t c a t g c a c a g a t g a g t g a c c a c c g c t a c g a c a a a 420
c t c a c t g t g c c t g a t g a c a t a g c a g c a a a c t g t a t a t a t c t a a a t a t c c c c a a c a a a g g g 480
c a c g t c t t g c t g c a c c g a a c c c c g g a a g a g t a t c c a g a a a g t g c a a a g g t t a t g a g a a a 540
c t g a a g g a c c a t a t g c t g a t c c c c g t g a g c a t g t c t g a a c t g g a a a g g t g g a t g g g c t g 600
c t c a c c t g c t g t c a g t t t t a a t t a c a a g a a a g t a g a c t c c t g a g c t g c a g a g t c c c c c c 660
g g g w a g c c g g c a a g a c c g c a c a g g c a a g g c c g a t g a c t c t g t g c c a c t c c t g t t g t t t t 720
c c t t g a c a a t c t a c t g t g c c a c t g t g c t a c t a a c t c t t g t t a c a a a a t t t g a t t c t a a g 780
t t g a a t t g c t t c a t t c a a c a c m c c c a c c c t c c c t c c c c t c g m g g t g g t a c c t a a g c t g t g 840
g a t t t g c t a a a t g a a t t a a g c a a c c t a g a a g a t a c a g a g c y a a t g a a t t a t c a a a a t g t g 900
a t t a a t c c c a g t a a g g a a a c a c t c a t t t a g t g t c t g t a t t t t g g t g t g a a a t t a t t t a 960
g t t g c c a g t a t a t t c t g a a g a a t g t c t t c t t g a t c a g t c a g a t a a r c t t g c t t t t t t t t 1020
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<210> 513

<211> 1936

<212> DNA

<213> Homo sapiens

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<210> 514

<211> 1177

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 514

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<210> 515

<211> 932

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (880)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (911)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (912)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (921)
<223> n equals a,t,g, or c

<400> 515
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<210> 516
<211> 1159
<212> DNA
<213> Homo sapiens

<400> 516
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<210> 517

<211> 2451

<212> DNA

<213> Homo sapiens

<400> 517

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<210> 518

<211> 989

<212> DNA

<213> Homo sapiens

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<222> (336)

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<220>

<221> misc feature

<222> (871)

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<222> (891)

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<222> (910)

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<222> (913)

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<222> (926)

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<400> 518

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<210> 519
 <211> 3315
 <212> DNA
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<400> 519

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<210> 520

<211> 2361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2121)

<223> n equals a,t,g, or c

<400> 520

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<210> 521

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1721)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2516)

<223> n equals a,t,g, or c

<400> 521

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<210> 522
<211> 1303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1286)
<223> n equals a,t,g, or c

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<210> 523
<211> 1100
<212> DNA
<213> Homo sapiens

<400> 523
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<210> 524

<211> 1963

<212> DNA

<213> Homo sapiens

<400> 524

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taaataataat agtgaacttt ttaaaaaaaaa aaaaaaaaaaaa aaa 1963
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<210> 525
<211> 794
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (782)
<223> n equals a,t,g, or c
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cngtaaatgc ctaa 794
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<210> 526
<211> 2599
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (2410)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (2461)
<223> n equals a,t,g, or c
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```
<220>
```

<221> misc feature
<222> (2475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2500)
<223> n equals a,t,g, or c

<400> 526
akcggccgsm tcgcatctca gctgggttggc tttgggttaga gctcccgta gacyttngkt 60
cggscctagg atttggttagc cccgaagtgt gggtctctctc cagtaccaga ctcatcttcag 120
taccagcctt tgggaagtcg tgtgaatacc tcggtctctt agccacaggg atagaatggc 180
ggcctgacgg agccgcggcg ccggcgaagt cgctgaggcg cgactggaac ccccagacca 240
gctcaaacgg gagccaaaac tcgaagcttg gaagaattag caggaaatgg cggatgaggc 300
gttgtttttg cttctccata acgagatggg gtctggagtg tacaagtccg cggacagggg 360
gaggtggaaa acggacgatg tattactaag ctggaaaaca tggggtttcg agtgggacaa 420
ggattgatag aaaggtttac aaaagatact gcaagggttca aggatgagtt agatatcatg 480
aagttcattt gtaaagattt ttggactacg gtattcaaga aacaaatcga caatctaagg 540
acaaatcatc agggcatcta tgtacttcag gacaacaaat ttgcctgct tactcagatg 600
tctgcaggaa aacagtattt agaacatgca tctaagtatt tagcatttac gtgtggctta 660
atcagagggtg gcttatcaaa cttgggaata aaaagtattg taacagctga agtgtcttca 720
atgcctgctt gcaaatttca ggtgatgata cagaagctgt agaacatact gaaatgcaag 780
gcttcaacag tgtaaagaga taaattattc atgtaaaagt atttcaagta gtgatgattt 840
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ttgcttataa tttattaaga atgtttacac ctgtataagg atttcatata tacattgtat 1260
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attaagaaga ttgactatac caaacattat attaaaaaca caraataaaa actataaaaa 1920
tgtacttttag gacattaaag aaaactcaag ttagaagcat accattttcc tttcatggaa 1980
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aatactgtat ttttactgta ccttctttat gtttagatat gcaagtactt accattgtgt 2160
tacagtgtcc tacagtattc actacaataa tatgctgtac aggtttgtag cctaggagca 2220
ataggccata gcttaggtgt atagtagatc ataccatcta ggtttgtgta agtacactct 2280
gtgattgtac aattttaaaa tctcctaata atgatgcatt tctcagaatg tatccccctt 2340
gctaagcaat gcatgactgc aatcctaatt ctacatgtt ttgggggraa aattttaatt 2400
ttgaaaaaan ttaggaaagt tcctacyaaa tatacatgta taaagtttat taaaagtcac 2460

```
naatgaccca kggankakct matggacaca gaagttagan ccaaaataga acacaataga 2520
ggaacttcca aaatgaaaac aggtgtggag aaatgtgtgt gtggaaaaag ccgggggttcc 2580
aaataagttg ggtttggtt                                     2599
```

<210> 527

<211> 1305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1293)

<223> n equals a,t,g, or c

<400> 527

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aattcggcac agccacactg gacagggcag ctgctgggtt gctactctcg cctccgccat 60
gattccgccc gcagactctt tgctcaagta cgacacccca gtgctggtga gccggaacac 120
ggagaaacgg agccccaagg ctcggtactt gaaagtcagc cccagcagc ctggaccttc 180
aggttcagcc ccacagccac ccaagaccaa gctccctca actccctgtg tcccagatcc 240
taciaagcag gcagaagaaa tcttgaatgc cactactacc ccaagggagt ggggtggaaga 300
cacgcagcta tggatccagc aggtgtccag cacccttagc accaggatgg acgtggtgca 360
cctccaggag cagttagact taaagctgca gcagcggcag gccagggaaa caggcatctg 420
ccctgtccgc agggaactct actcacagtg ttttgatgag ttgatccggg aggtcaccat 480
caactgtgcg gagagggggc tgctgctgct gcgagtcagg gacgagatcc gcatgaccat 540
cgctgcctac cagaccctgt acgagagcag cgtggcggtt ggcatgagga aggcactgca 600
ggctgagcag gggaggtcag acatggagag gaaaatcgca gaattggaga cggaaaagag 660
agacctggag aggcaagtga acgagcagaa ggcaaaatgt gaagccactg agaagcggga 720
gagcgagagg cggcaggtgg aggagaagaa gcacaatgag gagattcagt tcctgaagcg 780
aacaatcag cagctgaagg cccaactgga aggcattatt gcaccaaaga agtgataatt 840
tccacatgat taatttccaa caagacacyt gggagttatt tactgtgttc ctctggcagc 900
caataaaatc atcataagcc ctttgtaata aaaagctagt ttcctgagtg aacaagccat 960
aacctcccct aaacaccacc taggtatttg ttagaagtca cactattact ccaatgtcat 1020
cagacaccta aggtctgccg gccaggctcc tggctggcaa tggaagatgg tgtggccctg 1080
ttagtctccg tgtgtggctt actagccagc cttgggaact gccaaactca attctaagaa 1140
agccactgct ttctcatcat cactctatac caatacttat ttctggccaa atgaatctgc 1200
ttctctgccc ctcaaaacttt tagttcacia ttcatcttct accttaactt ggggsttctt 1260
ggggcctctg gctttcctta attaaatgtc ttntttttcc ctact                                     1305
```

<210> 528

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1628)

<223> n equals a,t,g, or c

<400> 528

```
gaggcctgcg gcggcagsga gcggcgggac tgggagcggg cgcgggagcc gacccgagcc 60
gagccgagcc gagccgagcc ggagcgggag gcgaaggccg gcgcggcgag cagcaacccat 120
```

```

gtcgggtgttc  gggaagctgt  tcggggctgg  agggggtaag  gccggcaagg  gcggcccgac  180
ccccaggag  gccatccagc  ggctgcggga  cacggaagag  atgttaagca  agaaacagga  240
gttcctggag  aagaaaatcg  agcaggagct  gacggccgcc  aagaagcacg  gcacaaaaaa  300
caagcgcgcg  gccctccagg  cactgaagcg  taagaagagg  tatgagaagc  agctggcgca  360
gatcgacggc  acattatcaa  ccatacgagtt  ccagcgggag  gccctggaga  atgccaacac  420
caacaccgag  gtgctcaaga  acatgggcta  tgccgccaa  gccatgaagg  cggcccatga  480
caacatggac  atcgataaag  ttgatgagtt  aatgcaggac  attgctgacc  agcaagaact  540
tgcagaggag  atttcaacag  caatttcgaa  acctgtaggg  ttggagaag  agtttgacga  600
ggatgagctc  atggcggaat  tagaagaact  agaacaggag  gaactagaca  agaatttgct  660
ggaaatcagt  ggacccgaaa  cagtccctct  accaaatgtt  ccctctatag  ccctaccatc  720
aaaacccgcc  aagaagaaa  aagaggagga  cgacgacatg  aaggaattgg  agaactgggc  780
tggatccatg  taatggggtc  cagcgcctggc  tgggcccaga  cagactgtgg  tggcctgcgc  840
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cttgtagcgt  actggcagaa  aagtcatttt  tcaaaagcca  taggcctttc  cttgccctta  1260
gctgtaataa  tgcactctgat  tttgatttcc  tccagagctg  tgtttctgtc  catcacctgt  1320
gtattggccc  tgtgtttacc  actctggccc  actcctcacc  cccttgctcc  cctggtcttc  1380
tggagtttgt  gacattgatt  tgaaatggat  ggtgttctct  tgagagcaag  tgagattgtt  1440
agaattaagt  tccaactata  cagttttcta  acatagctat  aaggctcctg  ttgctgtttg  1500
tgataactga  tagataactc  attggaacg  tgcatacatt  tatattcaga  tgaaattatg  1560
gtttgcactg  tctattaaat  atctcgatta  attttcawaa  aaaaaaaaaa  aaaaaacccg  1620
gggggggncc  c  1631

```

<210> 529

<211> 1944

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<400> 529

```

cgcaccctgc  cttccggggg  ccggacaggg  cccgggctgc  tgtctcaaga  cagccagaca  60
aggagtcttc  cttcatggat  gaggaggagg  aggatgaaat  ccgtgtgtga  ggccgacagt  120
gggtggccac  cgggagctct  tggctgcac  ttctccctgc  ccccaaccca  ctatgacctt  180
tgaccctacg  gcgcaggggc  agccaggacc  cttgattcag  accatggacc  ctggaccttg  240
tagatgaggg  aactggcct  ggccctcggg  tottcggagg  acgtaggggg  ctggcatggg  300
tgccgactgg  ctgectgact  tcatcatgct  ccctgcactt  aggetgctgt  ggacaagggc  360
tgtgttgtca  cagcaggaat  aggttttcct  ctgttgccct  ccctttcctc  caccctggcc  420
tcaaattgat  gccagatgcc  aacccagtt  ctggccacgt  acagccagcg  ggtcagccca  480
gaggcaqcct  cagctccagg  gctaaggact  ctccgytccc  attttctytg  ctggcgtttc  540
tgctgtgccc  agcagtggct  gctggggnaa  gcagctgcag  caggagggag  acggtcttgc  600
ctctcagccc  ctccctgccc  caccacagct  cctgccctgg  aaatctggag  ccccttggag  660
ctgagctgga  cggggggcca  gctgcgagca  tgtgcactaa  acgcagccct  ttccagggga  720
agagaacagg  atggagaatg  gaaggaaagc  cccccaggct  tcgtgaattg  caagaaggga  780

```

```
cccttcacagg atgacactag gaacagggct agggcactcg ctcagtcctt aggggcttgt 840
ttgttcttta ttattgtgtt taaatcctta tagagcaata tcaggatggt gttaataggt 900
ctgcctcaga atgagaatca atccttttag aaaaccttta tactaagcct cctcttcraa 960
attcacagtg gcgattagcg gactggagtc tgggtggcgat tagcggactg gagtctgggg 1020
acatccgtgg caaagacacc agctcaactt tagtgcttcc caactttatt tagaatgaca 1080
tgggggtgggt gtctgggtgtg tgtgttttcc ctacgcacct cccatagcta ttaacaactg 1140
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ctatgggggg aaagcctttt ttttcttttt ggctgagtta ttccctccct cccctcaata 1260
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cagggttggc cagatttagc aaaacaaaaa cagagtgtcg agttaaacgc aaatttcagg 1380
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gaaaaatgat ttgtttttct gaaattyacg tttctctctg agtcctgtaa ctgtccccga 1500
ggggattgag cagaagctcg ggtatgagcc ctgaggttga ctgccggtta tttttctgtc 1560
ctgggaacag cctgaccac cctcctgtct ccattgtagc agtgrgggga gggggagaca 1620
cagaaccaac cacagccagg ggcgtcccca tggcgactgt ggcccggccc ctctctctt 1680
gcctgactct cctctcttgc ctgactctag acactaactt agttccagg tgggtgccct 1740
gttggtgctc ctgtttccaa tagcttaggt cccatggtgg gggaggaacc tcagggttat 1800
gcagcccccg ccagctgccc tcraatcccc tccaggccar ttccagattc taaactgatt 1860
tttttcatga tattgtcaaa acagtgagga aacattaaaa aaaaagccct aaagcaaaaa 1920
aaaaaaaaaa aaaaaaaaaa aaaa 1944
```

<210> 530

<211> 1425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1411)

<223> n equals a,t,g, or c

<400> 530

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ggcacgagtg acggaagtgc ctctatcttg ttgccggraa gtgggaagag agaaaggttg 60
tgatggcggc tatagctgca tccgaggtgc tgggtggacag cgcggaggag gggtcctctg 120
ctgcggcggc ggagctggcc gctcagaagc gcgaacagag actgcgcaa ttccgggagc 180
tgcacctgat gcggaatgaa gctcgtaaat taaatcacca ggaagttgtg gaagaagata 240
aaagactaaa attacctgca aattgggaag ccaaaaaagc tcgtttggag tgggaactaa 300
aggaagagga aaagaaaaag gaatgtgcgg caagaggaga agactatgag aaagtgaagt 360
tgctggagat cagtgcagaa gatgcagaaa gatgggagag gaaaaagaag aggaaaaacc 420
ctgatctggg attttcagat tatgctgctg cccagttacg ccagtatcat cggttgacca 480
agcagatcaa acctgacatg gaaacatatg agagactgag agaaaaacat ggagaagagt 540
ttttcccaac atccaatagt cttcttcatg gaacacatgt gccttccaca gaggaaattg 600
acaggatggg catagatctg gaaaaacaga ttgaaaaacg agacaaatat agccggagac 660
gtccttataa tgatgatgca gatatcgact acattaatga aaggaatgcc aaattcaaca 720
agaaagctga aagattctat gggaaataca cagctgaaat taaacagaat ttggaagag 780
gaacagctgt ctaatccctt caagaactgt ttatagaagc ttgagaatgg ggtaaaaatt 840
```

```
tctgctagca aaatcaagtt ctttttgaaa ttttatcagt aatccagaat ttagtagtcc 900
atgccttctc actcagcatt tagaaataaa aatgtgggtt cttaaacgta tatcccttca 960
tgtatatttc cacatttttg tgcttggata taagatgtat ttctttagt gaagttgttt 1020
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atctgatcat gtacagttcc ctttttaaaa agcaataaat gcttgggatt agaatttcaa 1380
aaaaaaaaaa aaactcgggg ggggccccnt nccccattgg ccctt 1425
```

<210> 531

<211> 1466

<212> DNA

<213> Homo sapiens

<400> 531

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tgggtggagga ccttttgga acttgtgggt cccccgggct gcaggaattc ggcacgaatg 60
ctgggggtgca gcttcaagct taggaccacc caccatgcct atccagggtg tgaagggcct 120
gaccatcact cattaagaac agaggaggct gcctgttact cctggtgttg catccctcca 180
gacactctgc tgtttcctgc ctaggcgtgg ctgcagccat ggctaggaaa gcgctgccac 240
ccaccacact gggccagagc tgggtctgct cctgctgcag ggacactgag ctggctatct 300
cggcgcttcg ggcaagaact gcaacaggct ctctgggtc ctgcagggtg acagccgggc 360
ccctgccttg tgcctcagct ctgagagct gctgctgccg ggtgacctga tccaacctga 420
taaggtgcc a tcttcagcta ccactgcaag gccctgaggg caacagcagc acggcactgc 480
ccaccggct gctgatggc tggtgccagc tgggagtcct cccggcactt cgaggccact 540
gagccaccct tocagcccca gccaccatg gacaggggta tccagcttcc tcctcaacct 600
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ctggcagcag gctgctctcc atgggtgccg ggcgcgcag gccaccagge tcatgctggg 780
acccaaccca gtgcacaagg acttggtctgc tgagccacac acccaggaga aggtggataa 840
gtgggctacc aagggcttcc tgcaggctag gggaggagcc acccccgctt ccctattgtg 900
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tgggtaccat ggggtgccac ccctccacca catggggccc caaagcactg caggccaagc 1380
agggcaaccc cacacccttg acataaaagc atcttgaagc ttttaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaa 1466
```

<210> 532

<211> 1658

<212> DNA

<213> Homo sapiens

<400> 532

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gctcgtgccg attcggcacg agatggaggc agcggtagcc cagtgtctga gtggttgccg 60
ggtctccatg gagaagcggc tcgccagtgt cccaggctgc tgagctctcg ccgcccagaa 120
```

```

ccccgcggcg cgccgcgagg gccatgctag ccttgcgcggt ggcgcgcggc tcgtgggggg 180
ccctgcgcgg cgccgcttg gctccgggaa cgcggccgag taagcgascg cctgctgggc 240
cctgctgcgg ccctgcccct gctgcttggg ctgcctggcc gaacgctgga ggctgcgtcc 300
ggcgcgtctt ggcttgcggc tgcccgggat cgkccagcgg aaccactgtt cgggcgcggg 360
gaaggcggct ccagagccag cggaykcg ggcgcgcgtg ccgaagcccc gggcgkccag 420
tggggcccg cgagcaccac cagcctgtat gaaaacccat ggacaatccc gaatatgttg 480
tcaatgacga gaattggctt ggcccagtt ctgggctatt tgattattga agaagatttt 540
aatattgcac taggagtttt tgctttagct ggactaacag atttgttgga tggattttatt 600
gctcgaaact gggccaatca aagatcagct ttgggaagt ctcttgatcc acttgctgat 660
aaaatactta tcagtatctt atatgttagc ttgacctatg cagatcttat tccagttcca 720
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taccgaactc ttccaacacc acgaacactt gccaaagtatt tcaatccttg ctatgccact 840
gctagggttaa aaccaacatt catcagcaag gtgaatacag cagtccagtt aatcttggtg 900
gcagcttctt tggcagctcc agttttcaac tatgctgaca gcatttatct tcagatacta 960
tgggtgtttta cagctttcac cacagctgca tcagcttata gttactatca ttatggccgg 1020
aagactgttc aggtgataaa agactgatga aagtcatccc tcaactgttag taaggaagca 1080
gtatacatca atgggaacag ggcccatgga aatgtacagg agtttcccta ttttgggtgt 1140
cagcttgaaa aaggacttgt cagaatcaac tgtgtcatca aaatttaagt aatgtgcatt 1200
gaaaataagg ttgatcatgg gaatatgcag aatttccaat gtatttttaa atacaaataa 1260
aattgtaatt tagaattttt aaatcttagg tttcttgatt aatttataag agatcaatta 1320
ttgtcagctt tttttgtatg ttttttaaaa acatagtcca gagcatgggc agaattgaca 1380
cctctctttt aagtgaattt tggattgctc acaaagcact aggaaatgtc atggggttca 1440
aatatatatc cyacacaact gggcaataca tttttgtttg attttttaggt ctgtgtatac 1500
attaacagtt catgtaatta atackgac atttgggata atgaaagtga agttagttgt 1560
agatgaagta aagttataaa agagattaaa aatgatcagg tattaattac atgaactgtt 1620
aatgaatcca ggttccaata tcaacaaaca ttgctatg 1658

```

<210> 533

<211> 2857

<212> DNA

<213> Homo sapiens

<400> 533

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ggcacgagcc tttctgaaga ttaaaaaaca aataaaaagt tgagaagaaa gagcacgaag 60
agtagaaggg aacaatggtg tactcgccag caatggcaat acgggttatt aaaaagaagg 120
gtgggggagg ggaaccctgg ccgactcagg acgccacggg aggaagccac gcaaaatagc 180
aaaccgggat cctagagggg cggggcccac ctacgcgcgc aggcgcaacc aggccaggt 240
ggcgcgcgcg gaagcgaacc acctatacgc gccgcgcgcg ttgggtctcc tgcgcattgcg 300
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<211> 1335

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<213> Homo sapiens

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<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1334)

<223> n equals a,t,g, or c

<400> 534

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<210> 535

<211> 2818

<212> DNA

<213> Homo sapiens

<400> 535

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<211> 1397

<212> DNA

<213> Homo sapiens

<400> 536

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<210> 537

<211> 1233

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1202)

<223> n equals a,t,g, or c

<400> 537

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<210> 538
<211> 1016
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

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<210> 539
<211> 1679
<212> DNA
<213> Homo sapiens

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<210> 540

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (970)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (978)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1027)

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<220>

<221> misc feature

<222> (1044)

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<220>

<221> misc feature

<222> (1067)

<223> n equals a,t,g, or c

<400> 540

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<210> 541

<211> 2259

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2253)

<223> n equals a,t,g, or c

<400> 541

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gtttaaatca attaagtggc attggaaacc tagggtttcc ttttgattaa gagccttttt 360
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<210> 542

<211> 1347

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1290)

<223> n equals a,t,g, or c

<400> 542

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tgcttctcag taccaatatg aagtgggtac agttttcaaa cctacacgtt gatgttccaa 180
aggatttgac caaacctgtg gtaacaatct ctgatgaacc agacatatta tataagcgc 240
tctcggtttt ggtgaaaggc cagcataagg ctgtattgga cagttatgaa tattttgctg 300
tgcttgctgc taaagaactt ggtatctcta ttaaagrtaca tgaacctcca aggaaaaatg 360
agcgatttac tcttctccaa tcagtgcata ttacaagaa gcacagagtt cagtatgaaa 420
tgagaacact ttacagatgt ttagagttag aacatctaac tggaagcaca gcagatgtct 480
acttgaata tattcagcga aacttacctg aaggggttgc catggaagta acaaagacac 540
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aattagaaca gttaccagaa cacatcaagg agccaatctg ggaaacacta tcagaagaaa 600
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gtggggccaga tgagtatgtt taagtggaga gtgcttccag ctgagatgat ttgagtctgy 720
cctaactgct ccattgagtt ctctgcccct catcagctga gggcagggaa tggaaacttta 780
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ctagttgtat tatttatcct atgattcatn cattcaataa gcttttactg cataaacttt 1320
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<210> 543

<211> 1901

<212> DNA

<213> Homo sapiens

<400> 543

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aggggcgtgg ttgctctcca gacctacga aaattagttg aacttactca gaagccagtt 180
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gtattttcac aaaatgtcat tgttggaaca gtaaaaatga gttggagcca tgcattttat 360
gacagtcaaa catgggaaaa cattcttaag gataggatgg gatctgcaat gatgattgaa 420
acagcaagaa accccacatg tcctaaggta gctgctgtaa gtaccatagt aaatagaggg 480
ataacaccca aagcttttgt gttcagaaac tatgggtcatt ttcttggaat caactctcat 540
tatttgggag gctgtcagta taaaatgtgg caggccatta gagcctcatc tgctgctcca 600
ggctactttg cagaatatgc attgggaaat gatcttcatc aagatggagg tttgcttctg 660
aataaccctt cggcattagc tatgcatgag tgtaaatgtc tttggccaga tgtgccgtta 720
gagtgcatag tatccctggg cactggacgt tatgagagtg atgtgagaaa cacggtaaca 780
tacacaagct tgaaaactaa acttttcta atgtatcaaca gtgctacaga tacagaagaa 840
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tcaaccactt tttaccctctg aaatttcaag ataatgctat attaactttt ccagatctaa 1800

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cactagctta ttcttcctg ttataaaatg gtttgaactt actgaggaga ttttcctatc 1860
attaacaaaa ataaactatt taaataawaa aaaagtcgac g 1901

<210> 544

<211> 842

<212> DNA

<213> Homo sapiens

<400> 544

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aggcgggtgac taaggctcag aagaaggacg ggaagaagcg caagcgcagc cgcaaggaga 180
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gcacactggg tcatcaaaaag aaggttaccg aggggaagga actaaagggtg tttgcaacttc 660
atgttacttt ttgagtttat aaacataaaa acagaattta cttctgttac agacctagtt 720
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<210> 545

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<400> 545

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accgggtcca gacccacgcg gcgccagttc tccggcgga agggaaaccg cgcagagagg 180
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taacatatcc aggagagctg cttctgcaag gtgttcatga tgatgttgac attatattac 420
tgcaagatta atgtggttta catatcttta tgtactgcc ttttttggtt ctggtaaaact 480
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taaacgaaag gagattcatg ttttagaagt ctgtcctttt ttatatcttg aaagaaaatc 600

tatgtatgat gctataaaat aaatcctatt attttctmag natmtgggtg anattctgcg 660
aaagcaacaw gcaaaactgaa gaccaactcc tatgagaaat attatgatgt ttatgtaata 720
aagacatgta actgtcttaa awwwaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 778

<210> 546

<211> 2142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<400> 546

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aagtcagatc atgaagaact ttcaggctcc tccacaaatc tcgctgacca taacccttct 180
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cagtgggggc catgcttccc agagcggaga caacagcagt gagcaagggg atggttttaga 300
caacagtgta gcttcacctg gtacagtgcg cgatgatgat cgggataagg acaaaaaacg 360
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aggacttaca attctccaag taaacaactg gtttattaat gccagaagaa gaatagtaca 540
gcccatgatt gaccagtcaa atcgagcagg ttttcttctt gatccttcag tgagccaagg 600
agcagcatat agtccagang gtcagcccat ggggagcttt gtgttggtg gtcascaaca 660
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<210> 547

<211> 1893

<212> DNA

<213> Homo sapiens

<400> 547

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agcatgaatt ggaactgcaa tgaaagtcaa atttacttta aaaagaaatt aatatggctt 180
caccaagaag caaagttcaa cttatttcat aattgcctac atttatcatg gtcctgaatg 240
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ttaaactacc acttttttta accattatta tgcaaaattt agaagaaaag ttattggcat 480
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ccttttttaa aaaaaaaaaa aaaaaaaaaa aaa 1893

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<210> 548

<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 548
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naaccagcca gggggaaaagg ggagggtttcc ggtgtcagct gtctctgggt gtctccataa 120
ccagttctta cttgcctgtg cagactttga ggggaagggt gtgaagactt cggttgtgtt 180
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aggtgaagga tactgggttt ttagatgcct tgtocatcct gtctgggtgc aatgttttgc 480
tcccagaaga gaatcagatc atcatgtggg gattaccatt gttcctggag tactcctacc 540
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 630

<210> 549
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 549

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tcacatcccc cgagatccag acggccgtgc gcctgctgct gcccggcgag ctggccaagc 360
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ccgggacctg gcgctcgctc gctcgagtcg ccggctgctt gactycaaag gctcttttca 480
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<210> 550

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1578)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1585)

<223> n equals a,t,g, or c

<400> 550

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gttcaacttt tgtgtgcttt taaaatcagc tttattctaa gcaaatctgt gtctacttta 1500
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ymgggggggg cccnggancc aattnc 1586
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<210> 551

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2086)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<400> 551

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cgtttgaggg gtcacaaaga agggattgta cagactgaac agattaggctc tttgtctgaa 180
gctatgtcag tggaaaaaat tgctgcaatc aaagccaaaa ttatggctaa gaaaagatct 240
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gctgaggtag atgtgacccg agatattgtc agcagagaga gagtatggag gacacgaaca 360
actatcttac aaagcacagg aaagaatttt tccaagaaca tttttgcaat tyttcaatct 420
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gtggatccca ctttgcgcac caaacagcct atcccagctg cctataacag atacgatcag 540
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ccatgggtatg aacttgraat ctgtaacgga ggggtgcatct gcccgggaaga ctacagactcc 660
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taatgcaaaa gaccttctac aggacctgaa atttgtccca tcagatgaaa agaagaaaca 840
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<210> 552

<211> 1634

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1623)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1629)

<223> n equals a,t,g, or c

<400> 552

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tctggcggtc cgtgggggtg ttgggggtccg cagggggagg gaggggagtg tcagagtgtg 180
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aagaggacaa ggagcgggtc gcgctggtgg tgcacccggg cacggcacgk ctggggagcc 360
cggacgagga gttcttccac aaggtccgga caattcggca gactattgtc aaactgggga 420
ataaagtcca ggagttggag aaacagcagg tcaccatcct ggccacgccc cttcccaggg 480
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gtnaacaanc cggg                                     1634
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<210> 553

<211> 278

<212> DNA

<213> Homo sapiens

<400> 553

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cgacagtggc ctgaccatcg agaagtcctg gagggagctg gtgcctgggc acaaggagat 180
gagccaggag ctytgccacc aacaggaggc cctgtggrag ctccctgacca ccgagctgat 240
cttacgtgag aaagcttcaa gatcatgaac tgatcttg 278
```

<210> 554

<211> 2658

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2128)

<223> n equals a,t,g, or c

<400> 554

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tatgatacca caattagaac tggcagagca ctgaaagaaa agactttgct tcccgaagat 180
astcagaaac ttgacaatth cctaggagaa gtcagagaca aatgggatac tgtttgtggc 240
aagtctgtgg agcggcagca caagttggag gaagccctgc tcttttcggg tcagttcatg 300
gatgctttgc aggcattggt tgactgggta tacaagggtg agccacagct ggctgaggac 360
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ccagaaggaa ctgggggaaag cgaacaggaa ccgttcaggt cctgaagcgg tcaggccgag 480
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gcactcgtcg ggacactgtc tgtaaaactct ctgtttccaa acaaagccgg cttgagcagg 600
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cacggatcaa ccagctttct gcccgctggc ancagggtgt gctgttagca ctggagcggc 1320
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agaacaacat agcatgga 2658
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<210> 555

<211> 1728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1642)

<223> n equals a,t,g, or c

<400> 555

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gggacgccgg ggtaccagaa tctggcgaga tccggactct aaagccgtgt ctgctgcgcc 180
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<210> 556

<211> 3355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<400> 556

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<211> 2645

<212> DNA

<213> Homo sapiens

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<210> 563

<211> 1544

<212> DNA

<213> Homo sapiens

<400> 563

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```

<210> 564

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<400> 564

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aaaaaaaaaa aaaaaaaaaa 2299
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<210> 565

<211> 364

<212> DNA

<213> Homo sapiens

<400> 565

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gggctgtgca gcagcaatgg ccctaaggat gctctgggct ggacaggcca aggggatcct 180
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cagcaagtgc tacttccaag ctcaagcccc ctgtcactat gaggggaaat attttaccct 300
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ggct 364
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<210> 566

<211> 2481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1214)

<223> n equals a,t,g, or c

<400> 566

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cttctcctac gccgactttg tgcggggcct cttgctgcc aacctgccct gcgtgttttc 180
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```

<210> 567

<211> 1364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1362)

<223> n equals a,t,g, or c

<400> 567

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aatatggtct tgctgcattc agggcttttt taaagtcgga attctgtgaa gaaaatattg 360
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```

<210> 568

<211> 1606

<212> DNA

<213> Homo sapiens

<400> 568

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ttgtattcaa acaattatgc cactcgatgc aacaaacata ataaatacat aaaagattta 1560
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```

<210> 569

<211> 1385

<212> DNA

<213> Homo sapiens

<400> 569

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aaaaa 1385

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<210> 570

<211> 1144

<212> DNA

<213> Homo sapiens

<400> 570

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ccgtttccag agccgcggcc ctcaggcgtt ggaagacggg gacaggccac agccttctc 180
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```

accatgctcc tcggcccgagg aggtcactt aaagtataacc acgttcaagg cggggcccat 480
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<210> 571

<211> 2754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2611)

<223> n equals a,t,g, or c

<400> 571

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<210> 572

<211> 2657

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1285)

<223> n equals a,t,g, or c

<400> 572

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<210> 573

<211> 2352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<400> 573

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aaaaagtcga cc 2352

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<210> 574

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 574

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acagctgaaa acaagaactt caccggtggg caggcaagaa ttctcttctg gaaaatgacg 180
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ccgcagcagt ggatagaggt gcagatct 328
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<210> 575

<211> 1678

<212> DNA

<213> Homo sapiens

<400> 575

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<210> 576

<211> 2508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (2443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2494)
<223> n equals a,t,g, or c

<400> 576
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<210> 577

<211> 1531

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1531)

<223> n equals a,t,g, or c

<400> 577

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caccggcccc tgcgggccac cggtcaggg tgagccccct agccccacc caccggccag 180

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<210> 578

<211> 1244

<212> DNA

<213> Homo sapiens

<400> 578

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<210> 579
<211> 2525
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

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<210> 580

<211> 4006

<212> DNA

<213> Homo sapiens

<400> 580

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<210> 581

<211> 565

<212> DNA

<213> Homo sapiens

<400> 581

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<210> 582

<211> 2528

<212> DNA

<213> Homo sapiens

<400> 582

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<210> 583

<211> 507

<212> DNA
<213> Homo sapiens

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<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

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<210> 584
<211> 1931
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1871)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1899)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1907)

<223> n equals a,t,g, or c

<400> 584

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ccccagarta atgggtttctt gactttctgt agcccttggt ccttagtctg ctgtgatatt 180
tatgttgacc tttatcattt tctattctga accctcttta gcatttaatt tgaaatctaa 240
gaaattagaa gtagaatggc ttttattggt ttgacacctt tgaaattatt attaataatt 300
tttccagagc aaaaaagcaa acacgctcaa taagactaaa caaaacaaaa tataaatgta 360
catcatttaa tgtcccagtg gctctattct acctgtaaga aaatgatata aaaccacctt 420
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ctccctgctc tgcaactgga ttggtgattg caagctaaac atgggggaaa cagttttaac 1860
aacagggaat ncttccagtc ctgttttttt aaaaaaacnt taaactnttg tcttttaatt 1920
```

cccaagtccc c

1931

<210> 585

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1018)

<223> n equals a,t,g, or c

<400> 585

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ctgtcagggc gtaattgagt caaaggcagg atcagggttc ccgccttcca gtccaaaaat 120
cccgccaaaga gagccccaga gcagaggaaa atccaaagtg gagagagggg aagaaagaga 180
ccagtgcagc atccgtccag aaggcgggga gagcagcagc ggcccagca ggagctgcag 240
cgagccgggt acctggactc agcggtagca acctcgcccc ttgcaacaaa ggcagactga 300
gcgccagaga ggacgtttcc aactcaaaaa tgcaggctca acagtaccag cagcagcgtc 360
gaaaatttgc agctgccttc ttggcattca ttttcatact ggcagctgtg gatactgctg 420
aagcagggaa gaaagagaaa ccagaaaaaa aagtgaagaa gtctgactgt ggagaatggc 480
agtggagtgt gtgtgtgccc accagtggag actgtgggct gggcacacgg gagggcactc 540
ggactggagc tgagtgcagc caaaccatga agaccagag atgtaagatc ccctgcaact 600
ggaagaagca atttggcgcg gagtgcacaa accagtcca ggcctgggga gaatgtgacc 660
tgaacacagc cctgaagacc agaactggaa gtctgaagcg agccctgcac aatgccgaat 720
gccagaagac tgtaaccatc tccaagccct gtggcacaact gaccaagccc aaacctcaag 780
cagaatctaa gaagaagaaa aaggaaaggca agaaacagga gaagatgctg gattaaaaaga 840
tgtcacctgt ggaacataaa aaggacatca gcaaacagga tcagttaact attgcattta 900
tatgtaccgt aggctttgta ttcaaaaatt atctatagct aagtacacaa taagcaaaaa 960
caaaaaaaaa aaaaaaaaaa ctcgaggggg ggtcccgtac ccaatngccc tctcatgnat 1020
```

<210> 586

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<400> 586

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gattcataag ctggcctgag gtgatcttgg catcaaggaa gggatgcaca tcatcacacc 180
atcagcttca gagaatggca gccatttatt tgtcccgtgg gtttttttcc aggggaaccaa 240
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```
tctgcccttt tgaagaaaag acaaaggtag aaaggatggt ggaggactac ctggcaagtg 300
gttatcaggt aagcagaaaa cgtactgttg ttaaaaatga yatgccttca tccaataggt 360
agacagawtt ctttctagac agactcatct tcagagtttt cttagagcaa atgaagcctt 420
actcaaggac tgagtcccca gatgaatttc cccagggat gaagtctcct atacataaar 480
tgttaacttg aaaatcagtc cagtagctca gtaattacta cttagccttg accttcattg 540
tgccaactgc atctttctta cattgctggg tgcrgtgacr gatgataaag cwgatgaaag 600
tgtcctttta tcaaatnatt cacttatcag catttatcag gtatctgcag tgtgctgagg 660
agtgtgckgc atagacacca atgggacagg aagagctcct armctgggtg tgctgagatm 720
aagygtaacg agtgtgcagt ggstcatgcc tgtaattccc tcgtgcc 767
```

<210> 587

<211> 847

<212> DNA

<213> Homo sapiens

<400> 587

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ccttcttcat tgatcataac acaaagacta caacctggga agatccacgt ttgaaatttc 60
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gctgggaaga aagaattcac ttggatggcc gaacgtttta tattgatcat aatagcaaaa 180
ttactcagtg ggaagaccca agactgcaga acccagctat tactggcccg gctgtccctt 240
actccagaga atttaagcag aaatatgact acttcaggaa gaaattaaag aaacctgctg 300
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ggagaattat gtccgtgaaa agaccagatg tcctaaaagc tagactgtgg attgagtttg 420
aatcagagaa aggtcttgac tatgggggtg tggccagaga atggttcttc ttactgtcca 480
aagagatggt caacccttac tacggcctct ttgagtactc tgccacggac aactacacc 540
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gaccatttta caagatgatg ttgggaaagc agataaccct gaatgacatg gaatctgtgg 720
atagtgaata ttacaactct ttgaaatgga tcctggagaa tgaccctact gagctggacc 780
tcattgttctg catagacgaa gaaaactttg gacagacgtc gaccggccgc taatttagta 840
gtagtag 847
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<210> 588

<211> 2158

<212> DNA

<213> Homo sapiens

<400> 588

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actccgtgtt gcagattact atttttttac accatacgtg tatccagcca catggccaga 180
agatgacatc ttccgacaag ctattagtct tctgattgta acaaagtgtg gtgcttacat 240
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acatccacaa tttttaaaga atcaagtcgg tcgagagatt aagtttactg tccaggcatt 360
gccatggata agtattctta ctgttgcact gttcttgctg gagataagag gttacagcaa 420
attacatgat gacctaggag agtttccata tggattgttt gaacttgctg ttagtataat 480
atctttcctc tttttcactg acatgttcat ctactggatt cacagaggcc ttcattcatg 540
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aagtcatgct tttcacccca ttgatggctt tcttcagagt ctaccttacc atatataacc 660
ttttatcttt ccattacaca aggtgggtta ttttaagctg tacatcttgg ttaatatctg 720
gacaatttcc attcatgacg gtgattttcg tgtcccccac atcttacagc catttattaa 780
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tggtctcagct catcatacag accaccatat gttcttttgac tataattatg gacaatatatt 840
cacttttgagg gataggattg gcggttcatt caaaaatcct tcatcctttg aggggaagg 900
accgctcaggt tatgtgaagg agatgacaga gggaaagcgc acagccattc aggaaatggc 960
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gttgtaacaa atatattgca aaaacatagt ttgtaaaggc attctataag ctatttatgt 2100
aaaatcaata aaagttgatc ataattaaaa aaaaaaaaaa aaaaaaaaag tcgacgcg 2158

<210> 589

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 589

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cttcttttgt ttggtagaaa attatccttt tctaaaaact gracmatggc acaacctctg 2220
cggacaccga gaagctgatc cgcgagaaag acgaagagct gcgcgcgatg caagagatgc 2280
tggagaagat gcaggccca 2299

<210> 590

<211> 2180

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1353)

<223> n equals a,t,g, or c

<400> 590

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ccggggccgt gcaaggcatg ctggaacttt actatgtctg ctcccagac gagccctcag 180
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tcctggcctc caaactgtac cggccaggca gcgtggccta tgtctcagct tccggaggca 600
tgtccaacga gctcaacaat atcatctctc ggaccacgga tggcgtctat gagggcgtag 660

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agatttgccg gggcatcaag gagggccgcc tcactaagcc catcgtctgc tgggtgcatcg 840
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ggcaccgaag accaacatcc acaggctaac accccttcag tccacacaaa gaagcttcat 2100
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<210> 591

<211> 1193

<212> DNA

<213> Homo sapiens

<400> 591

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gctccactcc acccagtgtc acatcaaaga gccgggtgag ccggctggct ggtaggaaaa 180
caaatgaatc tgtgagtga ccccgaaaag gctttatgta ttccagaaac acaaatgaaa 240
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cattacaaat agcctgggtt ggtgggttta tagccatttc catcatcagt ttctgtcttc 480
tgctgggggt tatcttagtg cctctcatga atcgggtgtt tttcaaattt ctctgartt 540
yccytgtggc actggccgtt gggactttga gtggtgatgc ttttttacac cttcttccac 600
attctcatgc aagtcaccac catagtcata gccatgaaga accagcaatg gaaatgaaaa 660
gaggaccact tttcagtcac ctgtcttctc aaacataga agaaagtgcc tattttgatt 720
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acttttttcaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaacaaaaa aaa 1193

<210> 592

<211> 2002

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1914)

<223> n equals a,t,g, or c

<400> 592

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tatggccaac agcaagatgc ataccagga ccacctccac aacagggata tccaccccag 180
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<210> 593

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 593

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ttaaaatgca tcccggtgtt tttgtggcgt tttcgatcct ttcttttyta atgtgtccca 960
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<210> 594

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 594

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cgagaccac catccttcca tcctgaggac cgccccacc ctcggagccc cccactcagt 240
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gcttccttaa ggaacctttc aaccaaanc ttc 333
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<210> 595

<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<400> 595
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<210> 596
<211> 532
<212> DNA
<213> Homo sapiens

<400> 596
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ttgagtaatt ccatgccttt tgacaagtgt tctgtaccca tgccacgacc accacaatcg 180
agagagaaca tcttcatcac tccagaaggg ctcccttgca gtgagtactc cctaggagtt 240
ccagcggccg gtgacattga tctgttttct gtcactgtag atgagatttg tctgttatat 300

acaattttta aaaattaaat gatatgtatg gcttccttttg cttagcataa tgtttttgag 360
cttattcatt tggtgcatat atcaatactt tgcttcctttt taccacctgt acttcattta 420
tggatacggt gtttatccat gtgtttatcc ccaatggaca ttgggttggt tctgattttt 480
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<210> 597

<211> 1494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1483)

<223> n equals a,t,g, or c

<400> 597

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aagggtacag ccgttgtcaa tggagagttc aaagacctaa gccttgatga ctttaagggg 180
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gttgctttta gtgacaaagc taacgaattt cacgatgtga actgtgaagt tgcgcagtc 300
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<210> 598

<211> 2188

<212> DNA

<213> Homo sapiens

<400> 598

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atgaggggtat atattcggag ygagcgcggg acscgatgag tggccgcgcg gaaggagctg 180

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gagacggctc tagctgcggt cgcgcgcgaga aaggtttaca ggtacataca ttacaccct 240
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cattgaaggt cttattttata taattttttc caagccaagg agaccattgg ccatccagga 2100
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atgtgttttt gaagttgtac atagtaat 2188

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<210> 599

<211> 1273

<212> DNA

<213> Homo sapiens

<400> 599

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gagtttttta attgagaagt ttaattcaga agtttggttt tggtgcctct gatttaacat 180
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gctgctcatg acgctctggt tgagctcagt ggagccatga acactactgc ctgcagtcctg 660
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ccgtacccat tgg 1273

<210> 600

<211> 1239

<212> DNA

<213> Homo sapiens

<400> 600

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ggcgtgcaaa aactaacatt gaaattttga aacagcagca gagtgagtggt attttatttt 180
tcgttattgt tgggtggtta aaaaattccc cccatgtaat tattgtgaac acctgtcttt 240
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<210> 601

<211> 1286

<212> DNA

<213> Homo sapiens

<400> 601

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taaagacagt agaaatatta ttcagtaaac aataatgtgt gaacttttaa gatggataat 420
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<210> 602

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 602

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<210> 603

<211> 1168

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<400> 603

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<210> 604

<211> 458

<212> DNA

<213> Homo sapiens

<400> 604

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gatcgttaac tgaagacaat atgcaaaatt ctacatgga tgaatacaga aattctagta 180
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<210> 605

<211> 911

<212> DNA
<213> Homo sapiens

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<222> (897)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (904)
<223> n equals a,t,g, or c

<400> 605
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<210> 606
<211> 738
<212> DNA
<213> Homo sapiens

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<222> (730)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (737)
<223> n equals a,t,g, or c

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<210> 607

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1328)

<223> n equals a,t,g, or c

<400> 607

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<210> 608

<211> 722

<212> DNA

<213> Homo sapiens

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<222> (690)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (703)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (718)
<223> n equals a,t,g, or c

<400> 608
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ac 722

<210> 609
<211> 330
<212> DNA
<213> Homo sapiens

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<222> (315)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 609
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taatagcact gtgacgaaca tccttcttaa caaaattctt tgtctgcacc tatggttatt 240
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cttagttttc agggnggacc ngttgtctcn 330

<210> 610

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 610

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tcgacg 1866

<210> 611

<211> 2176

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (2162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2169)
<223> n equals a,t,g, or c

<400> 611
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2176

<210> 612

<211> 3619

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<400> 612

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<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<400> 613

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<210> 614

<211> 1433

<212> DNA

<213> Homo sapiens

<400> 614

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<210> 615

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 615

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gagaaatgcc ttataagtgc aatgaatgtg ggaratattt tagccatcac tccaatctaa 180
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<210> 616

<211> 2174

<212> DNA

<213> Homo sapiens

<400> 616

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<210> 617

<211> 3147

<212> DNA

<213> Homo sapiens

<400> 617

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<210> 618

<211> 2529

<212> DNA

<213> Homo sapiens

<400> 618

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<210> 619

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<400> 619

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<210> 620

<211> 1735

<212> DNA

<213> Homo sapiens

<400> 620

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atctat atca gagtt atatt ttaatt tttt ttctaa atga aaaaa accct ttttact tca 1680
aaaaa attgt aagcc acatt gttaataa ag taaaaa taa ttctaaaaa aaaaa 1735

```

<210> 621

<211> 1026

<212> DNA

<213> Homo sapiens

<400> 621

```

tccgga attc ccggg tgcac ccacg cgtcc gcttt catct gaccat ccat atcca atgtt 60
ctcatt taaa cattacc cag catcatt gtt tataat caga aactc tggc cttct gtctg 120
gtggc actta gagtct tttg tgccata atg cagcag tatg gaggg aggat tttat ggaga 180
aatg ggggata gtctt catga ccacaa ataa ataaaggaaa actaag ctgc attgt ggggt 240
ttgaaa aggt tattata ctt cttaca att ctttt tttca gggact tttc tagct gtatg 300
actgt tactt gacct tctt gaaaag catt cccaaa atgc tctatt ttag atagattaac 360
attaacca ac ataatt tttt ttagat cgag tcagcataaa tttcta agtc agcct ctagt 420
cgtggt tcat ctctt tacc tgcatt tttat ttggt gtttg tctga agaaa ggaaag agga 480
aagcaa atac gaatt gtact attt gtacca aatct tttgg attcatt tgg aaata atttc 540
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gatac gtttg acttat gatg accatt ttatg cacttt caaa tgaatt tgc ttcaaaa taa 660
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gtgcct taca catct gcagt atttat catg ttcca acttg gtgact gtca ggcagt gcaa 1020
tacatc 1026

```

<210> 622

<211> 670

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<400> 622

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gtggtaggcg cgctgcgtaa agaggcctgc rgccccgcgg cgcggggcag gttccgggct 60
gcttaggttg gcaccggtcc gtggtccccg ggggcgcagt cgcagcgctc ccgccctcca 120
ggcgtcagcg agtgcgcggt ccagtgcggc cggaacctgg cgcaactcct agagcgggtcc 180
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gaaggaatcc accttcttac gctatggcag gtaagaaagt actcattgtc tatgcacacc 360
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acaaagatat cactgggtact ctttctaata ctgaggtttt caattatgga gtggaaaccc 540
acgaagccta caagcaaagg tctctggcta gcgacatyac tgatgagcag aaaaaggntt 600
cgggaaggct gacctartga tatttcaagt tcccgttgta ctggntcanc gtgccrgcca 660
ttcttgaaag                                     670
```

<210> 623

<211> 2163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 623

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gaattcggca cgaggcgacg tgagcgganc cgcggggcgg agggcggaag gaccgactga 60
cggtagggac gggaggcgag caagatggcg cagacgcagg gcaccggag gaaagtctgt 120
tactactacg acggggatgt tggaattac tattatggac aaggccaccc aatgaagcct 180
caccgaatcc gcatgactca taatttgctg ctcaactatg gtctctaccg aaaaatggaa 240
atctatcgcc ctcacaaagc caatgctgag gagatgacca agtaccacag cgatgactac 300
attaaattct tgcgctccat ccgtccagat aacatgtcgg agtacagcaa gcagatgcag 360
agattcaacg ttggtgagga ctgtccagta ttcatggcc tgtttgagtt ctgtcagttg 420
tctactggtg gttctgtggc aagtgtgtg aaacttaata agcagcagac ggacatcgct 480
gtgaattggg ctgggggcct gcaccatgca aagaagtccg aggcattctg cttctgttac 540
```

```

gtcaatgata tcgtcttggc catcctggaa ctgctaaagt atcaccagag ggtgctgtac 600
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gtcatgactg tgcctttca taagtatgga gagtacttcc caggaactgg ggacctacgg 720
gatatcgggg ctggcaaagg caagtattat gctgttaact acccgctccg agacgggatt 780
gatgacgagt cctatgaggc cattttcaag ccgggtcatgt ccaaagtaat ggagatgttc 840
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tgaacattct agaaggggtg gctgggtctt caaggatctc ctgttttttt caggctccta 1920
aagtaacatc agccattttt agattgggtc tgttttcgta ccttccact ggctcaagt 1980
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tggtacattt ctataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2160
aaa 2163

```

<210> 624

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<400> 624

ggcgagatct tctctgtggc ggagacagcc aggttggcag ctgacgggac agccgggggtc 60

```

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atacagaacg atggagtata tggcagaatc caccgaccgc agccctggac acatcttgtg 180
ctgtgagtggt ggtgttccga taagtccaaa tcttgccaat atttgtgtgg cctgtttgcg 240
aagtaaaagtg gacatcagcc aagggtattcc gaaacaagtc tcgatttcgt tctgcaaaca 300
atgtcaaagg tattttcaac caccaggaac ttggatacag tgtgctttag aatccaggga 360
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tgcaggcgttt gtttggactg agcctcattc taagagactt aaagktaaac tgactattca 480
gaaagagggtg atgaatgggt ctatccttca acaagtgttt gtggtggatt atgktgkccc 540
caaatggggg gagatggcat anaganaact aaggattctg gaaaggttgg attaaggggn 600
g 601

```

<210> 625

<211> 593

<212> DNA

<213> Homo sapiens

<400> 625

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gatgcagttt gcttggcaga gctataagcg ttatgcaatg gggaaaaacg aactccgtcc 60
actaacaaaa gatggctacg agggtaacat gttcggaggc ctcagcgggg caacagtcac 120
tgactccctc gataccctct acctcatgga gctgaaggag gagtccagg aggccaaggc 180
ctgggtggga gagagcttcc acctgaacgt gagcggagaa gcatccttgt ttgaggtgaa 240
catccgctac atcggggggac tctctcagc cttctacctg acaggagaag aggtgttccg 300
aataaaggcc atcaggctgg gagagaagct cctgccggcg ttcaacaccc ccacgggaat 360
cccaaagggc gtggtgagct tcaaaagtgg gaactggggc tgggccacag ccggcagcag 420
cagcatcttg gcggagtttg gatccctgca cttggaattc ttacacotca ctgaactctc 480
tggaaccag gtcttcgctg aaaaggtcag gaacatccgc aaggtcctca ggaagwtcga 540
aaagcccttt ggccctyact ccaactkagm catggtgttg caaacagatc ccc 593

```

<210> 626

<211> 2272

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2267)

<223> n equals a,t,g, or c

<400> 626

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ggactcgcgt cgcggccgcg gagacgtgaa gctctcgagg ctctctccgc tgcgggtcgg 120
cgctcgccct cgctctctc gccctccgcc ccggcccccg ccccgcgccc gccatggaga 180
agactgagct gatccagaag gccaaagctgg ccgagcaggc cgagcgctac gacgacatgg 240
ccacctgcat gaaggcagtg accgagcagg gcgccgagct gtccaacgag gaggcgaacc 300
tgctctccgt ggctacaag aacgtggctg ggggcccgcag tccgcctgga gggtcatctc 360
tagcatcgag cagaagaccg acacctccga caagaagtgt cagctgatta aggactatcg 420
ggagaaaagt gagtccgagc tgagatccat ctgcaccacg gtgctggaat tgttgataa 480
atatttaata gccaatgcaa ctaatccaga gagtaaggte ttctatctga aaatgaaggg 540
tgattacttc cggtagcttg ctgaagtgtg gtgtgtgat gatcgaaaac aaacgataga 600
taattcccaa ggagcttacc aagagggcatt tgatataagc aagaaaagaga tgcaaccac 660
acaccaatc cgcctggggc ttgctcttaa cttttctgta ttttactatg agattcttaa 720

```

```
taaccagag cttgcctgca cgctggctaa aacggctttt gatgaggcca ttgctgaact 780
tgatacactg aatgaagact catacaaaga cagcacccctc atcatgcagt tgcttagaga 840
caacctaaaca ctttggacat cagacagtgc aggagaagaa tgtgatgcgg cagaaggggc 900
tgaaaactaa atccatacag ggtgtcatcc ttctttcctt caagaaacct ttttacacat 960
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aagtaatctg aaccagttct gcaagtgact gtgttttgta ttactgtgaa aataagaaaa 1260
tgtagttaat tacaatttaa agagtattcc acataacttc ttaatttcta cattccctcc 1320
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gccttgtgaa aatgttatgc cctatgtaac agcagagtaa cataaaataa aagtacattt 1920
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attggactgc atttcttaga gtgttttact atagatcagt ctcatgggcc atctcttcc 2160
cagatgtaaa tgatatctgg ttaagtgtta tatggaataa agtggacatt ttaaaactar 2220
maaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa ta 2272
```

<210> 627

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (863)

<223> n equals a,t,g, or c

<400> 627

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gggagcggag gncaggaacc caataagctg cttcgccctg gagctgaagc ccgtactcaa 60
gatggcgggc ccgggcgggc gtggccagtg actagaaggc gaggcgccgc gggaccatgg 120
cggcgcgggc ggacgagcgg agtccagagg acggagaaga cgaggaagag gaggagcagt 180
tggttctggg ggaattatca ggaattattg attcaractt cctctcaaaa tgtgaaaata 240
aatgcaagggt tttgggcatt gacactgaga ggcccattct gcaagtggac agctgtgtct 300
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atgctgatac agaaggcaat aataaaacag tgctaaaata taaatgccat acaatgaaga 420
agctcagcat gacaagaact ctctgacag agaagaagga aggagaagaa aacatagggtg 480
```

```
gggtggaatg gctgcaaata aaggataatg atttctccta tcgacccaac atgattttgta 540
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aattggaaga ggaagagatt caaatgaacg acagttcaaa cctgagttgt gaacaggaga 660
aaccaatgca ctgggaaata gaagattctg gtcctcttat tgatatacct tctgagacag 720
aaggttctgt ttttatggaa actcaaatgc tgccttagaa atcactccta gatgaaatgt 780
ttctcataat aacttgtcaa gaacttttta gagttgttac ataaaaataa ttgctgtgta 840
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa t 871
```

<210> 628

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 628

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tggtgagtgt tcgggacgcc ggcctgcagg cgccatggtc ttcctcaccg cgcagctctg 120
gctgcggaat cgcgtcaccg accgctactt tcggatccag gaggtgctga agcacgccag 180
gcacttcccg ggaaggaaaa atcgtctgcta caggttggcg gtcagaaccg tgattcgagc 240
ctttgtgaaa tgcaccaaag cccgatacct gaagaaaaag aacatgagga ccctctggat 300
taatcgaatt acagctgcta gccaggaaca tggactgaag tatccagcgc tcattgggaa 360
tttagttaag tgccaggtgg agctcaacag gaaagtccta gcggatctgg ccactctacga 420
gccaaagact ttcaaatctt tggctgcctt ggccagtagg aggcgacacg aaggatttgc 480
tgctgccttg ggggatggga aggaacctga aggcattttt tccagagtgg tgcagtacca 540
ctgaggactg ttgctgtatt gattaggaag agagacagag taatttgagc tttgtttgat 600
ttatactttt gtttatctac aacccaataa cagacatgag ggatggccct gtctctctgg 660
gacagagcct cacagatgat gtccatgttt tgtgtgaatg aaactcaaac actcttcaaa 720
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 779
```

<210> 629

<211> 1835

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1835)

<223> n equals a,t,g, or c

<400> 629

```
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gtcgccatgg ctgagctgca gcagctccgg gtgcaggagg cgggtggagt catggtgaag 120
agtctggaag gagagaacat ccggaagatg cagggtctca tgttcgggtg cagcgcgcagc 180
tggtgtgagg acagccaggc ctccatgaag cagggtgcacc agtgcatcga gcgctgccat 240
gtgcctctgg ctcaagccca ggctttggtc accagtgagc tggagaagtt ccaggaccgc 300
ctggcccggg gcaccatgca ttgcaaygac aaagccaaag attcaataga tgctgggagt 360
aaggagcttc aggtgaagca gcagctggac agttgtgtga ccaagtgtgt ggatgaccac 420
```

atgcacctca tcccaactat gaccaagaag atgaaggagg ctctcttata aattggaaaa 480
taaaagtatt tgccagtggc catcagggct gagggcaaga atatatatttt tataaggaat 540
tggaattttt agtcttttaa gcaaagttaa cgaatgaaga aatgaaggat ggccacaagc 600
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tgaaatggaa aaaagtgggtg cttaaactcgag tcagagatat tacaggagag ttttagagct 720
tattatttcc tgtggccagt gcttgctctg gcagtaaggc tytccccctg aacaagccag 780
agccctccaa ggtaccagac tcttcttact acacagggtac taacaggctg gcaggttaga 840
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tcaccaactt attacttgaa attataatat agcctgtccg tttgtgttt ccaggctgtg 1740
atatattttt ctagtggttt gactttaaaa ataaataagg ttttaatttt tccccaaaa 1800
aaaaaaaaa aaaaaaaaaa aaaaataaaa aaatn 1835

<210> 630

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 630

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gagctaagat gactaatttg atgattttcg atctcttttc cctgtcctg attttaaaag 120
ccccctcctt tttttttttt tttttttttt ctttttttag gcataatgtag taatattaga 180
aacatttaat ttgggaaact ttgattcttg aaagagaaaa caaaagcatg tgaataaact 240
ttgaagtgtt cacctcagtt tgggacccaa ctgcttggat ctttgtaaaa accggttttg 300
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<210> 631

<211> 1537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 631

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<210> 632

<211> 1901

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1894)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1899)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1900)

<223> n equals a,t,g, or c

<400> 632

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aaaaaaaaa aaaaaggggg gccgctttaa agnccaann t 1901
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<210> 633
<211> 1750
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (809)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (821)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1712)
<223> n equals a,t,g, or c

<400> 633
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tccggcattc 1750

<210> 634

<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 634

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<210> 635

<211> 1346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<400> 635

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<210> 636

<211> 1584

<212> DNA

<213> Homo sapiens

<400> 636

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<210> 637

<211> 1663

<212> DNA

<213> Homo sapiens

<400> 637

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<210> 638

<211> 3947

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3738)

<223> n equals a,t,g, or c

<400> 638

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<210> 639

<211> 1427

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

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<210> 640
<211> 920

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (910)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (919)
<223> n equals a,t,g, or c

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<210> 641
<211> 1706
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1704)
<223> n equals a,t,g, or c

<400> 641
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<210> 642

<211> 2170

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (811)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2155)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2170)
<223> n equals a,t,g, or c

<400> 642
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<210> 643
<211> 1712
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1664)

<223> n equals a,t,g, or c

<400> 643

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ggttggaagg ctcgaaaaat tctgcgggaa ctgaagcatc aaaagcgtg taaggaagca 1620
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<210> 644

<211> 1793

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (790)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1793)

<223> n equals a,t,g, or c

<400> 644

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<211> 2679

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature
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<222> (24)
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (128)
<223> n equals a,t,g, or c

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<211> 832

<212> DNA

<213> Homo sapiens

<400> 646

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<210> 647

<211> 1325

<212> DNA

<213> Homo sapiens

<400> 647

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<210> 648

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 648

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<210> 649

<211> 1696

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

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<210> 650

<211> 3059

<212> DNA

<213> Homo sapiens

<400> 650

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<211> 1366

<212> DNA

<213> Homo sapiens

<400> 651

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<210> 652

<211> 1425

<212> DNA

<213> Homo sapiens

<400> 652

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<210> 653

<211> 614
<212> DNA
<213> Homo sapiens

<400> 653
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<210> 654
<211> 2812
<212> DNA
<213> Homo sapiens

<220>
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<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2651)
<223> n equals a,t,g, or c

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<210> 655

<211> 1997

<212> DNA

<213> Homo sapiens

<400> 655

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aaaaaaaaa aaaaaaa 1997

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<210> 656

<211> 1597

<212> DNA

<213> Homo sapiens

<400> 656

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<210> 657

<211> 372

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 1226

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 658

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<210> 659

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 659

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<210> 660

<211> 2549

<212> DNA

<213> Homo sapiens

<400> 660

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<210> 661

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<400> 661

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gccccccaaa ggggnccaag ct 1162

<210> 662

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (978)

<223> n equals a,t,g, or c

<400> 662

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<210> 663
<211> 740
<212> DNA
<213> Homo sapiens

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<222> (25)
<223> n equals a,t,g, or c

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<222> (546)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
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<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<400> 663
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<210> 664
<211> 1670
<212> DNA
<213> Homo sapiens

<400> 664

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<210> 665

<211> 3364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1881)

<223> n equals a,t,g, or c

<400> 665

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<210> 666

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

<400> 666

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<210> 667

<211> 1997

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1974)

<223> n equals a,t,g, or c

<400> 667

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<210> 668

<211> 586

<212> DNA

<213> Homo sapiens

<400> 668

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<210> 669

<211> 1097

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670

<211> 2900

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2418)

<223> n equals a,t,g, or c

<400> 670

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<210> 671

<211> 987

<212> DNA

<213> Homo sapiens

<400> 671

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<210> 672

<211> 2825

<212> DNA

<213> Homo sapiens

<400> 672

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tcgag

2825

<210> 673

<211> 1430

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1046)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1413)

<223> n equals a,t,g, or c

<400> 673

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1430

<210> 674

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<400> 674

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<210> 675

<211> 1077

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 675

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<210> 676

<211> 920

<212> DNA

<213> Homo sapiens

<400> 676

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aaaaaaaaaa aaaaaaaaaa 920
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<210> 677

<211> 1247

<212> DNA

<213> Homo sapiens

<400> 677

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<210> 678

<211> 2667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2602)

<223> n equals a,t,g, or c

<400> 678

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```

<210> 679

<211> 952

<212> DNA

<213> Homo sapiens

<400> 679

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<210> 680
<211> 2309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 680
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agccaatttg tctctcttga ggaggcctgg agagaaaact tacacacagc gatgtcgggt 180
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atatggagaa ccaggagaag tttttatcaa caaaggcaaa ggattcggat ttattaagct 300
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<210> 681
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 681
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atgggaacct gactcccagag cgctccgacg tgtggtttgc gcttcaactc aaccgcaagc 180
tccgacttgg ggtgggaaat cgggccatcc gcacagagaa gatcatctgc cgggacgtgg 240
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tgcctgtgcc gggccaagct tcaagcaatc c 451

<210> 682
<211> 1298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1294)
<223> n equals a,t,g, or c

<400> 682
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aaaaacgctt gacggaaacc gactttactg tgancccc 1298
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<210> 683

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<400> 683

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tgaggagagg attagtgact taacgacaaa tcttgacaga gaggaagaaa aggccaagaa 180
tcttaccaag ctgaaaaaca agcatgaatc tatgatttca gaactggaat gcggctaaaag 240
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cagcaggagc tcagggccaa gagggagcag gaggtgacgg tgctgaagaa ggccctggat 660
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gtggaggagc tcaagcaacg agctggccac agagcgcaca cgggcccaga agaattgagag 780
tgcccgcgag cancttcgag cggcagaaca aggagctccg gagcaagctc ccacgagatt 840
ggagggggcc gtcaagtcc 859
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<210> 684

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1249)
<223> n equals a,t,g, or c

<400> 684
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<210> 685
<211> 2600
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1905)
<223> n equals a,t,g, or c

<400> 685

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<210> 686

<211> 4641

<212> DNA

<213> Homo sapiens

<400> 686

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<210> 687

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 687

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<210> 688

<211> 2751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 688

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<210> 689

<211> 969

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 979

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (943)

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<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (969)
<223> n equals a,t,g, or c

<400> 690
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<210> 691
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 691
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<210> 692

<211> 1382

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693

<211> 3098

<212> DNA

<213> Homo sapiens

<400> 693

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agttttcttt ctctttggtt tattgatttg gtttaatttc cattatgcta ttttgcataa 3000
tcaaggcact gtaaatctta taattttaa ataaattact taagaacaaa aaaaaaaaaa 3060
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagg 3098

```

<210> 694

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 694

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tgtccatcca ggccagcagc tgaaggagcc tcacctgcct cccttctctg agtagcacgg 180
atttraggag aagcagcgaa gatgtccagc gagcctcccc ctcccttatcc tgggggcccc 240
acagccccac ttctggaaga gaaaagtgga gccccgcccc ccccaggccg ttcctcccca 300
gctgtgatgc agccccctcc aggcattgcca ctgccccctg cggacattgg cccccaccc 360
tatgagccgc cgggtcamcc aatgccccag cctgggttya tcccaccama catgagtnca 420
gatgggmact acatgcctcc gggtttttta ccctctctca ggggccccca cccacccttg 480
gggtaatta 489
```

<210> 695

<211> 1844

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 695

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gccactaagc tgnentgcgc gcgcctgcag gtgcacacta gtggatccar agacaaaatg 60
gaaatttaaa tgacatccta gaggtagaga aaccgtggag atcgcttttc tcagactcac 120
caacttttaa tgggatttca tggggtttgg ttgtgctgat agggtaaggg gaggctgctt 180
tctgcccttc tccccactcc catctgattt acttaattca gtctcagctg ctgaaatttg 240
gaaaggacca aattgcttta cagttttttt ctttgtgtag tatcttgaaa tcctggaaaa 300
ttctatggaa tagttctgta tatagggcac aagtaaaggc attgtccaaa gtttatttat 360
ttatttatta ccctaagaat gctttgccat aaccacattt aatgggaaaa acggcagtat 420
cacagatgta aattaactca ccagatttac tgggcctgaa ctcatctctt tcttgctata 480
tgatttagca agttctagaa ggtctccaag acaataatta cattggcaca atgtatactt 540
cagtgtcac ccgtaggcaa atctcttttt aaaaaactct ttgggtgcaca agtaacacat 600
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agttggaaat cagttgtgaa tacattcttt gctagttgga gtgcttggtt actaagcatg 720
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accaaagttt gcaactcgaa ctgctttcgt ccatgtttct cacattgctg tattttagaa 840
aatagggggt aagactgata acaacctttt acattgtgac tgtgtttgca ttgtctaattg 900
acagataaat ccttaacatt tctctccacc ttagtacttt agactaattg tgtttgcgcg 960
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```
tccatgccat gaatgagtg gctgtagttg ggcctaaata aatgagctgt tggaagaaaa 1020
gaatcacagt actttccagc agtcagtcctc tggttcctag atgtgttcta agcaatgcaa 1080
atgtctaatt gtccccagc gggcatagtc agtgcgtttt atattgtagc agttacagct 1140
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tcacctgtg aaacgtccca cactttgaag caaatacaat tcacagcaca gtacacacaa 1440
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acataacaaa gggcagccct ccacttctgg tataattgtg tagccccctt tctttgggct 1560
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actgtttgc tatgactaca ttttgaggtt ttgtaaaact gttatTTTTT tttttttcac 1740
aatgtgaaac tgaaggtaa taaattatta gagattttct cttcaaaaaa aaaaaaaaaa 1800
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg gggg . 1844
```

<210> 696

<211> 605

<212> DNA

<213> Homo sapiens

<400> 696

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taggtgagtt atccaatata gcaaaggcca tcaaagagaa agccaatact ttcattggaga 180
gtcagagacc ttaatatagc ccagcagcaa tgcttcaacc attcccaact ccatgttcct 240
tgctagatgc tctcaccccc aaactcctgc aaatttcaag aatttctgtg tatgwggtgtg 300
ttaagggagg agttttaaag tatctctgta ttcaacaaga tacgtcagct tgtaagcagc 360
agaaacctac ttaaaactakc ttacatgaga aaataacatt ataaagacat aggagtgttt 420
ctacaccaag agctggaggt attgtttggt ttcattgaagg gttaaaatct gtaattccaa 480
aagtaggact tcaggcagct gcaccatcaa tctgtgtctt tctctcwggt actgtgggac 540
tctatwcccg tctgacttgc tttggttccc ggggcatcat tcttggtttt gggaaaacac 600
acttt 605
```

<210> 697

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 697

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agggcacact agggacctac cgtacaacac ttcagcattg ttaagcactt aaccatttga 60
aaaaacttaa tgaaatgatt aatttttttt ttaatttttac tgaaggatgt atnnatagat 120
ttaggagggga tatgaggggtg actaaaaagt taaatttttc taatgtgaac ttttatttat 180
gttggttgt atcttacaat ttgtaatttt aaagtcattg taggccaatg raatgtgagc 240
gcctcaagaa tagctattaa gtatcatact aaatttggcg gacgtacaga tctgtgttac 300
aaagaaatgg aaaagtcac cctgtgtcac ggggatgaaa agcctgctag ccattccaat 360
tgactgagra catcttgcaa agaaccaccc ttacttctgc cggtagagcc ttgggcaaat 420
taaagtcattg tcaaatcaat ttagtagtaa gttcccttwt acmaatagtt atgtgtccac 480
acacgtgnng aatgttttat gggaactaat ggaagcgagc aaatcccaga aggntctctg 540
```

<210> 698

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<400> 698

```
ggcagagggg agactcagct gatactgctt ccttgagatt taatacacct tcctttgatc 60
tctcctgtcc ccattatccc aggaaaatcc agagtagctt ccagtccatt ctcattaatc 120
cactggatcc aaagttaga gaggttcccc ttccctccag cctccttccg ggcccaacag 180
aggagcacc caccaccctc catcagctgc tcaaaaccca caagggaata atccctacag 240
gtccatgcc ggaggttagt gagctaccct ncagggttcca ttaagtcata ccagaaggct 300
gagtgtagaa atgaacatta agaggggttc catctgtagg gaaaggggtc aagatgcaaa 360
gctttacaga aggttctccg tctaattgtg aagattaaga gcaactgggtg acctaggaag 420
atgaagaatg gagagtgggg aaaccagcag agattttcag gaatgtttta gggggcncntt 480
tcatcgtttc aaagca 496
```

<210> 699

<211> 987

<212> DNA

<213> Homo sapiens

<400> 699

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agagtgggac agggacaagc atatctaaga ggctgaacat gaatccacag atcagaaacc 120
cgatgaaggc aatgtatcca ggcacattct acttccaatt taaaaaccta tgggaagcca 180
acgatcgga cgaaaacttg ctgtgcttca ccgtggaagg tataaagcgc cgctcagttg 240
tctcctggaa gacgggcgct ttccgaaacc aggtggattc tgagacccat tgtcatgcag 300
aaaggtgctt cctctcttgg ttctgcgacg acatactgtc tcctaacaca aagtaccagg 360
tcacctggta cacatcttgg agcccttgcc cagactgtgc aggggaggtg gccgagtcc 420
tggccaggca cagcaacgtg aatctcacca tcttcaccgc ccgcctctac tacttccagt 480
atccatgtta ccaggagggg ctccgcagcc tgagtcagga aggggtcgt gtggagatca 540
tggactatga agatttttaa tattgttggg aaaactttgt gracaatgat aatgagccat 600
tcaagccttg gaagggatta aaaaccaact ttcgacttct gaaaagaagg ctacgggaga 660
gtctccagtg aggggtctcc ctgggcctca tgggtctgtct cctctagcct cctgctcatg 720
ctgcacgggc ctcccctcca ccctggaccc gctctgtttc tgcctggtea tcctgagccc 780
ctcctggcct cagggccatt ccacagtgtc cccctgcctc accgcttct cctcgtctct 840
ccagactctt cctgcagagg ctoccttctg cctccatggc tatccatcca cccccacaga 900
ccccgttctt ccagcctgct tgcccctaac ctggcttttc ccatctcccc agcataacca 960
aatcttacta aactcawsct aggtggg                                     987
```

<210> 700

<211> 1675

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<400> 700

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agggatcaac agtcacaatg atagaggaag gggcattcaa ggaaccatta atgagcaatg 180
tgccctctct ctcaaaatca gggcaagcca tggcaccaag atgatgactc cagagggtgt 240
ggcagaggca tatggcaaga aagagtggaa gcacttcttg tcggacactg gaatggcttg 300
ccgctcagga aagtattact ttacgacaa ctactttgac ctgccaggag ctcttctgtg 360
tgccagggtg gtggactatt taacaaaact gaacaatggt caaaaaacat ttgatttttg 420
```

gaaggatata gttgctgcta tacaacacaa ttataaaatg tcagctttta aggaaaactg 480
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atctgtgaaa aaatggcttc gacagctaaa gaatgctggg aaaattcttc tgtaattac 600
cagttctcac agtgattact gtagacttct ctgcgaatat attcttggga atgattttac 660
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aatgactggc aaacctgaac ccaagggtgt ttattttgtt gacagcatgc attcagatat 900
tttcccagct cgtcactata gtaattggga gacagtcctc atcctggaag aactcagagg 960
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tcctaaaact taggaacctt attggatatt ttctattaca gtagttttgt gggtgggatt 1560
caccggggg ggccacacac tcacacggca cagttcactc ttacacata tggccncggg 1620
cccggtgggt tctcnaaggt gtggttcctt tggggcctnt tgggcttggg ccttt 1675

<210> 701

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 701

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ttttacccat ccccaaata acagtgtaca cagtgtgttt tttccctta tgggagtga 120
cagtatgtta gtgaggttag gtgagcatct agatttggtc cacagaaaag ggtgtttcca 180
gccagtatca gtgatgttg tacttctcca acagtctaaa tctaagggtt ttaggagcct 240
gttygattaa gtgataagaa gataccctcg totggtgttt ctttcagtgc tgccctctca 300
tcttttagca gaaggcacia atgcctttta tttgctccgt ggtgaaaagc ttccagttct 360
caataggcac aggatgtcag tggccacagt tgggtgtaagc ctgttcagag tcttctaatt 420
tgaaactgta gtggtgttta gtttataaag ctanaagaag aatctgtgga ggtcttgga 480

ttgtatttgt gtggtgaaat tngtnacttt tagatgagga aagaaaacct ttgcttttgc 540
ccaaaacctg tgccag 556

<210> 702

<211> 1138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1138)

<223> n equals a,t,g, or c

<400> 702

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gaggcctcca gtggctttct gtggctcccc agtgaggctg tcagcccctc agtcctcagc 120
cacttcctgg gctggggacc tcacagtctc ctgttcctgc cttgaggccg ggcaaacgca 180
gcaccaactg ctcccacag gtgcacagcg tgggtgctgtc agagcgggac ctgcagcggg 240
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cgcgggcgaa accccagacc cgcggaaga ctttccatgg gctcctgact cggggccggg 480
gcccccccat cgagggggcc cccaggcccc aacgaggctc cacctccttc ctggacaccc 540
gcttctgaga ggaccatgga cttagtgtcc cccagtctca attgcctgat ggctgatgcc 600
agcccgga ataggcaccg cactttactc ttgggactcg gggacttggc ttccttcctg 660
gcaaggacca ggcagtgggg aaggaggagg tcctccgtgg tacatactgg gtcaggcact 720
agcatggagg agggtcacag agtggggcac gtgaggacc atggaaccgt cctgggtgcc 780
aggccctcac aagtacaaaa gccagcacca aaggagtcag ggaaggggtt ggctgagtca 840
agggacccca gagggcacca ggaataaaat cttcttgaac agaaaaaaaa aaaaaaaagg 900
gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat agctcttcta 960
tagtgtcacc taaattcaat tcaactggcg tcgttttaca acgtcgtgac tgggaaaacc 1020
ctggcgttac ccaacttaat cgccctgcag cacatcccc tttcgccagc tggnttaata 1080
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<210> 703

<211> 1062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1061)

<223> n equals a,t,g, or c

<400> 703

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cactgtgtgg agggcacctc tctgtccctt ccgtgtctca ctgtctctgg aagcttcagc 60
ccatgtgtgt cctgggtgtc ccagcccccac cagagcccggt gccgggagct gacagctttc 120
acgcttaagg cacgtgtgac ctgggtagtc agacaccact tgagcccctg cccacatctg 180
ctgggtttggg gcttcagtgg ggagctgaca gctgtgagca caccactgtc ccctcatcca 240
cctcggcctg catggggcac ccacttcctt ctgggtgggg cttccatggg aagggggcct 300
gcgtccctgc acactgcgag gactgccttg cacaggccca ctccctacga cacgtgactc 360
gttttagagc tctgtcccag aggcgttcgt atgtgaccca cagatggcgt caatgtgaac 420
acctctcttt gtgctgaatt tctgggccat tcttttctct tcttatttct aaatttcctt 480
cttccaagat gaaaacaaaa gaaaaactta aaacagaagg tattaacaaa acaagagatt 540
cccaccatta tttaggttca cctgcaraac aaaaatctta ctccarcccc tcaatgccat 600
cctgacacac tttatgcaaa aagaattttc ccagataggc tagccagaaa aaacttcaag 660
tcctctgtaa catctgaggt gaccaagagg cagaagagca gagcagtcgg gggccgtgtc 720
ctgggtgatc ccaactgcag ctctgctgtg ggggcccggt ggagggaggc agacccttg 780
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gcccacgcct ggggagcctg cctggggcca tgtgaccatg gcctctccct ggggaacgggc 900
tgaccacaac acaccctgct gccatccact tctgtttact ctgcaaatgt aagaaagaac 960
cacttgGCCa gaagtgtccc ccagatgstt tttttttttt tttttgggag acagttttgc 1020
yyttgyttcc cgytgaggat gcantggcat ggatctaact nt 1062
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<210> 704

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (847)

<223> n equals a,t,g, or c

<400> 704

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atgtgatttt atatacacat atgtatacat attatatata aatatatatg tgtatacata 120
```

tatgtgtgta tatctatgaa tcaaacatac tgtttctgtt ggagatgggt cagaattata 180
aagattatct gaatctttat ctgtgagcag tctccaagka agaagttgmr aggtgaagcc 240
tttgactgct gtcattgtctg aggtcattcc aaggacatgg gagactgctg tccatgggtg 300
gatcctctta acatcagcag agttctgtca agttacttag ctttctactgg ggcagctcta 360
gcattccatt aattcaaaat gktgtcctta atataagcct ctamcattta aaataaaaaat 420
tttaaagtga tccattaagg gaataattac atattgaatt cctaagaaat aagaattatt 480
tggtgtggtt tttctagata gaataaacac aagagctgga ctatattaac tggtgtatac 540
acttttttaa ctggcatttt yagttacttg tgatttttcc aggaaaaata aaaatgaatt 600
aaagtgaac agtggacttc taattggtt tgcttttga ttacatttga ccatcaacaa 660
tgatgtaagc cttggataga atgtngcccc tcagtgcctc acttaaaatt cttggtaaac 720
ctttggtgta tacacttcat tgtgcttttt ggaatgactc taaaagcca taaactaatg 780
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gtcctgnatg taaatagggg gtttt 865

<210> 705

<211> 1383

<212> DNA

<213> Homo sapiens

<400> 705

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taatgaagag cagaaagaat ttcaaaaagt ggcctttgac tttgctgccc gagagatggc 180
tccaaatatg gcagagwggg accagaagca tgtgtgcctg gatgattgat agcttcggaa 240
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actgcctcac tgaaccagga agtgggagtg atgctgccts tcttctgacc tccgctaaga 360
aacagggaga tcattacatc ctcaatggct ccaaggcctt catcagtggg gctggtgagt 420
cagacatcta tgtggtcatg tgccgaacag gaggaccagg cccaagggc atctcatgca 480
tagttgttga gaaggggacc cctggcctca gctttggcaa gaaggagaaa aaggtggggt 540
ggaactccca gccaacacga gctgtgatct tcgaagactg tgctgtccct gtggccaaca 600
gaattgggag cgaggggagc ggcttcctca ttgccgtgag aggactgaac ggagggagga 660
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acctcaatgt ccggaagcag tttggagagc ctctggccag taaccagtag ttgcaattca 780
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<210> 706

<211> 1155

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 706

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tcctggcaaa aggtcagagt ctggatcacc ttctgctgga ggccacagca aacctcctca 180
cagcccactg gtccctcaaga ggtgccacgt ctccacacat cagcacaact acgcagcgcc 240
tccctccact cggaaggact atcctgctgc caagagggtc aagttggaca gtgtcagagt 300
cctgagacag atcagcaaca accgaaaatg caccagcccc aggtcctcgg acaccgagga 360
gaatgtcaag aggcgaaacac acaacgtctt ggagcgccag aggaggaacg agctaaaacg 420
gagctttttt gccctgctg accagatccc ggagttggaa aacaatgaaa aggcccccaa 480
ggtagttatc cttaaaaaag ccacagcata catcctgtcc gtccaagcag aggagcaaaa 540
gtcattttct gaagaggact tgttgcgga aacgacgaga cagttgaaac aaaaacttga 600
acagctacgg aactcttggt cgtaaggaaa agtaaggaaa acgattcctt ctaacagaaa 660
tgtcctgagc aatcacctat gaacttggtt caaatgcatg atcaaatgca acctcacaac 720
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tgctttttta agttgatttt tttctattgt ttttagaaaa aataaaaataa ctggcaaata 1080
tatcattgag ccmaatctta aaaaaaaaaa aaaaaaggtc gagccggccg gctaattagt 1140
agtagtaggc gccgc 1155
```

<210> 707

<211> 1417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1404)

<223> n equals a,t,g, or c

<400> 707

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taaggaaaga argataatta tctttaaaagg ttgattccca ccctccctcc ccagttactt 120
aaggaaactaa gtgagtacat ctccagttgc ccatgaaagc ataagtttgt tttcctcagc 180
tgaggcaagt ggtagagtat acaggataac gaagtaacat gtaaaaggca ggacgcacat 240
aaagggtgtac atggctattg tttcacctgg agaaaccaca tgattgggac ctgaagggtt 300
actgactgac tacaggggct gattgtgaag cacgaggaac cccatgtgtg tggagactgt 360
agggtgagag cacacaatta ttagcatcat ttctgagtga tctcacagat tttttttctt 420
gtgtttgttt tgctttttga caactgcttc tcccacgttc cttgcaattc tattctctca 480
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<210> 708

<211> 948

<212> DNA

<213> Homo sapiens

<400> 708

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tattaatgta ttacttaaaag gaactgattt tttaaaattg gattgaatca tggaaacatt 180
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tgactcaaaa tcaattacat taagattagt ttttttgTTY tggttttttt tttaagwact 300
ttgtgcttta aatataagkg aaaatactgk atttactttt gtgtgcttcc atctgaacta 360
aagtttccca tgggycctac cgagttaggt ctggctctgg gagaggagtg gacagcagct 420
ggttgagata catccccatc tggagacagg actgccactg acagaagatg tgagctgtgt 480
ctaagtccag tcttgtgccc agccgtgtct gcgccttcac tctttggaac tctgcataca 540
acatcttagc accatcttcc tgcagctctt ccttacctaa ataaagaaac agcccaaggg 600
cagtatttct aaaagcactg taacagcttt tcatTTtctc cacatatact acaaattcta 660
taaagaaaaga aattaattta aaaaaactaa gatgtttttc tcttctggct tcataaatgc 720
cttgctgtat aaattgaaat attgatactt aactgtcttt ttaatgatga cctaacttta 780
ttcaaccat cggaatttac tttttccctg aaataagatc ttttccactg gtctactacc 840
tgaccataaa catgtctgca tttgaattct ctaaacccta aatctgtgtc tatgaaaaat 900
acaaatgact attaaatatt attctcttta ctgttctctt tcaccgaa 948
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<210> 709

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 709

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acgttcctca gtcagtggga ttgtggccac tgtgtttgga gcaacaggat tcctggggcg 240
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caatcttatt ggacgagact gggaaaccaa aaactttgat tttgaggatg tttttgtgaa 480
gattccccaa gcaattgctc aactgtccaa ggaagctgga gttgaaaaat tcattcatgt 540
ttcacatctg aatgcgaata ttaaaagctc ttctagatat ttgagaaata aggctgttg 600
agagaaagta gtgagagatg catttcggga agccattatc gtaaagccgt cggacatctt 660
tggaagagag gatagattcc ttaattcttt tgcaagtatg catcggtttg gtcctataacc 720
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gcgtcttttg ggtcgcccca tgtggtttga gcacccagcc aggcggtctc tttagaggat 1260
cctgtacaca gttccactat taaaacattt caggttgaaa aaaaaaaaaa aaaraaaaaa 1320
raaaaaaaaaa 1329
```

<210> 710

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<400> 710

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tttacctgtt ctttgttttg tggtgtgtgt atggtgtgag tgtggtgttt tgtcttgagg 120
aagcatgggt caggcacaaa gtaagccac cccaccagga actatgttga aaaatttcaa 180
gaaaggattt ragggagatt acggtgttac tatgacacca ggaaaactta ggactttgtg 240
tgaaatagac tggccagcat tagagggtgg ttggccatca gaagggaagcm trgacaggtc 300
ccttgtttca aaggtatggc acaaggtaac ctgtaagcca ggtgcccag accagtcccy 360
gtacatagac acttggttac agctggtttt agrcccttcc tccccccacg gtggttgaga 420
gaacagcagc ataagcagct ggcagaggca aggaaagacc agcaaagaga cagagaagaa 480
agagacagga aaagaggcaa agagagagaa gaagagagag aggaagagnc agag 534
```

<210> 711

<211> 1143

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1110)
<223> n equals a,t,g, or c

<400> 711
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ctccaggctc cagaaacctc cttagccttt tgtggtaact ttggtccggc ggcggggggc 180
cggtagcag gaactggagg gaggcggtgg ggaaaccgtg gatccgtccg gctgaggggtg 240
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gccc aaagga aggggcggcg tscmcatggt tacccttctg tgcgcggggtc aagtagcttc 480
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ctgatataca taggagagaa actgatagaa gaattctgat ggcaactgta tgatagaagc 840
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aag 1143

<210> 712
<211> 3779
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (3758)

<223> n equals a,t,g, or c

<400> 712

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gggaagagtc tggaaaggaa acgcggcgga gtgggktggg agagggggcy tgtggttttg 180
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ccgtgtggaa atgtccaagg agaccgccag aagtgcgcaa gccggagtcg gctagagttt 420
ccttctcacc gagaggggga gcccgcggtt cccggccggg agcgacccgg agtccccagc 480
cccgctccc agctgccgcc agcgccagtt ttggattcgg cggattagga agaggaggga 540
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atagaagaat tctgatggca actgtatgat agaagctata taaagtcaag tgtccatttt 840
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<210> 713

<211> 1036

<212> DNA

<213> Homo sapiens

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<222> (54)

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<222> (1017)

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<400> 713

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<210> 714

<211> 4443

<212> DNA

<213> Homo sapiens

<400> 714

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gaaaaaagat catttttata gctttgcatt cttaacatag catttaaaga gcggcatgaa 180
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<210> 715

<211> 2099

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<400> 715

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cattttggag ggatccattt tgatcctttg tactctataa tgtgaacttt cccctgttcc 2040
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<210> 716

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<400> 716

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<210> 717

<211> 847

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 2086

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1863)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1913)
<223> n equals a,t,g, or c

<400> 718

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gagaagcctg gggcttgccc tggtctctctg tctcctccca tcgggaggaa cagagagcca 180
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<210> 719
<211> 2418
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (2200)

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<220>

<221> misc feature

<222> (2211)

<223> n equals a,t,g, or c

<220>

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<222> (2347)

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<220>

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<222> (2384)

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<220>

<221> misc feature

<222> (2401)

<223> n equals a,t,g, or c

<400> 719

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<210> 720

<211> 2541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1209)

<223> n equals a,t,g, or c

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<222> (2527)

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<221> misc feature

<222> (2538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2540)

<223> n equals a,t,g, or c

<400> 720

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2541

<210> 721

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1996)

<223> n equals a,t,g, or c

<400> 721

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<210> 722

<211> 1888

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

<400> 722

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aaaaaaaaa aaccncgngg ggggcccc 1888
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<210> 723

<211> 980

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (968)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (972)

<223> n equals a,t,g, or c

<400> 723

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<210> 724

<211> 1812

<212> DNA

<213> Homo sapiens

<400> 724

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